



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 1

JANUARY 2006

911 For Threatened Plants

by Nadene Steinhoff

A well-intentioned hiker who wanders off the trail at Cascade Head to capture a scenic photo may unintentionally trample one of the last existing populations of the seabluft carnation, known to scientists as *Silene douglasii* var. *oraria*.

There are three remaining populations in the world—all in Oregon, where the flower is listed as “threatened.” They grow precipitously along the cliffs of Cascade Head, seven miles north of Lincoln City on the Oregon coast. The spectacular headland is a Nature Conservancy preserve and United Nations Biosphere Reserve.

Scientists hope to restore threatened plants in the Pacific Northwest.

They have reintroduced native plant species and helped repopulate vulnerable areas for years, but Willamette University Professor Susan Kephart is trying a new tack. Instead of planting annuals, the quick and easy way to repopulate coastal prairies, she coordinated the planting of nearly 1,000 perennial seeds and seedlings by students, local citizens and Earthwatch volunteers.

Her restoration and research findings were featured as the October cover story in *The American Journal of Botany* and have generated inquiries from around the world.

Kephart and Willamette student Diana Lofflin posed several critical questions: Can we successfully reintroduce rare plants? Do plants with a more diverse genetic background have higher survival rates than inbred plants? How can we best restore native populations?

“We found that continued inbreeding within a closely related group of plants is linked to poor seedling survival and affects the viability of future generations,” Kephart said.

Willamette University students

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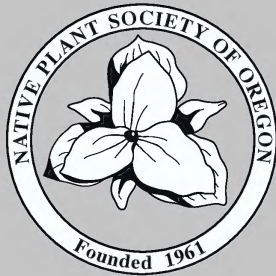
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IT'S STILL RENEWAL TIME!

The NPSO membership year is January to December. Many of you have already renewed, but if you haven't yet, please do so before February 15, 2006 to ensure that you do not miss out on any of the *Bulletins* or on the 2006 issue of *Kalmiopsis*. Before you send in your renewal, it's a good idea to check the address label on this issue of the *Bulletin*. If it shows 2006 along the top, you are all set and don't need to renew until the end of 2006.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers
and Committee Chairs listed on the
inside of the back page.

Membership Inquiries Only

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e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publica-
tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

NEW MEMBERS

7/19/2005 – 12/13/2005

Corvallis

Bill Becker
Michelle Buonopane
Gustav Hall
Cindy McCain
Vidya Schalk

Joanne & Bruce Gordon
Rob & Carol Horn
David Papen
Chris Rusch
Dana York

Wm. Cusick

Christopher Christie

Emerald

Dean DeHeer
Kate & Max Gessert
Louisa Hamacheck
Cece & Laurance Headley
John Hogan
Ronald L. Lewis
Ginny McVickar
Rene Minz
Claire Porter
Stephanie Schroeder
Tania Siemens
Danielle Typinski
Mary Wetherbee
Pamela L. Wible

Members At Large

Rod Nataros

Mid-Columbia

Laura Buhl
Georgiana King
Pablo Medina

Portland

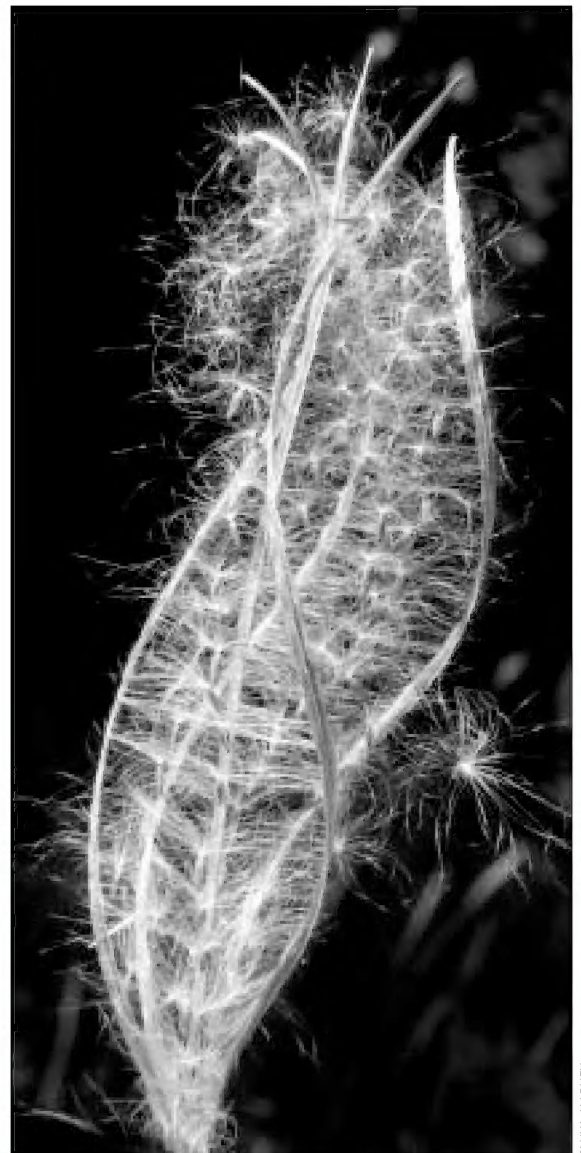
Tom Elliot
Mark Fishbein
Colleen Foster
Kristi Johnson
Robert Mertz
Bernadette Price
Scott Smith
Kat Strathmann
Warren M. Thomas
Naomi Worcester

Siskiyou

Al Collinet
John Hawksley
Jim & Linda Lavoie
Melissa Rehder

Umpqua Valley

Betsy Callaghan
Nancy L. Fry



TANYA HARVEY

The beauty of plants isn't all in their flowers. There's an exquisite grace and mathematical perfection to this Epilobium seed capsule that has just burst open to launch its ethereal seeds onto the breeze. In contrast, its tiny pink flowers are fairly inconspicuous and unlikely to receive notice from anyone but a serious botanist.

State

January 28, Saturday, 10 am

Board Meeting: The Corvallis chapter will host the winter board meeting from 10 am to 2 pm at 2087 Cordley Hall (coffee room), OSU, in Corvallis. Directions from I-5: take Highway 34 to the West, this will turn into Harrison as you come into town. Follow Harrison for roughly a mile and turn left on 30th, then make a left on Orchard. As you drive on Orchard to the right, there will be greenhouses followed immediately by Cordley Hall. Park on the street or in the parking lot in front of the greenhouses. Enter Cordley through the NW corner door that leads to the Herbarium, all other doors will be locked (signs will be posted). Go up one flight of stairs and head to the south end of the building to find the meeting.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

January 26, Thursday, 7 pm

Meeting: Bloom of the Century. Enjoy a photo journey through the deserts of southern California depicting the spectacular winter wildflower display of 2005. Dan Luoma and Joyce Eberhart share their experiences of what has been described as a "once in a life time" explosion of floristic exuberance. They will also discuss the possibility that such occurrences may become more common. Carnegie Room, McMinnville Library, 225 NW Adams St. More info? Susan Williams 503-538-1865 or helgesusan@comcast.net. Chapter website: www.oregon-native-plants.com.

Corvallis

January 9, Monday, 7:30 pm

Meeting: *Albuca to Zaluzianskya*: a botanical introduction to the geophyte-rich western Karoo of South Africa, a talk by Bob Meinke who recently returned from a trip to South Africa. Dr. Meinke is the Plant Conservation Biology Program Leader for the Oregon Dept. of Agriculture and a courtesy Professor at OSU. For more info contact John Syring at 541-752-0414.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

January 28, February 11 & 25, Saturdays, 10 am – 1 pm

Workshop Series: *Carex In Depth*.

Barb Wilson of the Carex Working Group will lead a series of three workshops on sedge identification. These are aimed at beginners and advanced students alike. Attend one or all. Please bring any dissecting equipment that you have. Workshops will be held in 1070 Cordley Hall, OSU campus, enter through northwest door by herbarium. Please leave a message with John Syring at 541-752-0414 so we can be sure to prepare enough hand-outs for everyone.

Emerald

January 22, Sunday, 10 am

Field Trip: Winter Twig Walk at Mount Pisgah Arboretum led by Rhoda Love. Bring the book, *Winter Twigs* by Gilkey and Packard, and a hand lens if you have them. Light refreshments will be served. Free for NPSO and Arboretum members. 10 am to noon. Meet at Arboretum Visitors' Center. For more information call the Arboretum at 541-747-3817.

January 23, Monday, 7:30 pm

Meeting: O, Pioneers! Rhoda Love, will acquaint us with a special group of hardy pioneer botanists such as Lilla Leach, Almata Barrett, Helen Gilkey, William Cusick and Wilhelm Suksdorf, who searched the Northwest for new plants during the early settlement years. Rhoda's slides will include images of the latest maps from the Oregon Flora Project. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. Call 541-345-5531.

February 27, Monday 7:30 pm

Meeting: Little Shops of Horrors, will feature Charlene Simpson's slides of the lures and traps of flesh-eating plants. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. Call 541-345-5531.

March 27, Monday, 7:30 pm

Meeting: Trees, Travels and Waterfalls in Southern Brazil. Alan Curtis is a forester with ongoing studies of forests in Latin America. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. For more info call 541-345-5531.

High Desert

For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

January 4, Wednesday, 7:30 pm

Meeting: Winter Twigs and Spring-Time Video. Bring in some twig samples and we will play around with keying them. We are only about 2 weeks away from spring flowers so we'll watch a video just to remind us of warm days and pretty blooms. Mike Igo Presenter. The Dalles Chronicle Meeting Room, 317 E 3rd, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

January 7, Saturday, 10:30 am

Field Trip: Balch Creek Canyon, Lower MacCleay Park. Join Portland Chapter member John Halsell for an interpretative walk through the unique Balch Creek Canyon ecological area. Balch Creek Canyon is a hidden gem nestled close to downtown Portland, and offers the opportunity to see how our forests looked before Lewis and

Clark's arrival. New members, families and those wishing an introduction to our native forests are encouraged to join us. Restrooms available at the parking area. For further information, contact John at 503-816-6501. Leave at 10am, Gateway/NE 99th. Ave, Park and Ride, SE corner of parking lot; 2nd meeting place: at 10:30 am at Lower McCleay Park (at the end of Upshur Street and below the Thurman Street Bridge in Forest Park), meet at the picnic shelter next to parking area turn-around at Lower MacCleay Park.

January 12, Thursday, 7 pm

Meeting: Member Slide Show. Do you have some good photos of plants and botanical forays that you've taken over the past year (or so)? Come join us at our monthly meeting and share your pics with fellow plant enthusiasts! A slide projector and computer projector will be available, so that everyone can join in the fun. Bring your pictures as either slides or electronic files (CD or thumbdrive). Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.



TANYA HARVEY

Oregon sunshine, Eriophyllum lanatum, is a great plant for native gardens. Its cheery, bright yellow flowers attract butterflies and its silvery leaves provide year-round interest.

Siskiyou

January 19, Thursday, 7:30 pm

Meeting: BLM Western Oregon Plan Revisions. Currently, BLM is revising the six Resource Management Plans that guide the agency's actions on 2.5 million acres in western Oregon. Please join Jim McConnell, the BLM Medford District NEPA coordinator, as he leads a question/answer discussion on how these revisions could impact the management of rare and endangered plant species. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more information, please contact Celeste Coulter at 503-780-6360.

February 16, Thursday, 7:30 pm

Meeting: Flora of Baja. Come spend an evening exploring the rugged canyons and coastlines of the Baja peninsula with Lawrence Birch and Wendy Loren. For the last decade, Lawrence and Wendy have been photographing the extraordinary diversity and bizarre adaptations found in the plants that thrive in the harsh, arid landscape of Baja. Founder of GivingTree Farm Herb Company in Eugene, Lawrence is joined by Wendy, LMT and Health Educator. Both are Certified Clinical Herbalists and Wildcrafters with a grand passion for the flora of the desert. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more information, contact Celeste Coulter, 503-780-6360.

Umpqua Valley

January 7, Saturday, 8:30 am

Field Trip: Collecting Native Plants. Roll up your sleeves and join the chapter as we collect native plants on Ron Hatt's property in Myrtle Creek. These plants will be used in the native garden we are building at the Roseburg VA. Bring tools, gloves, boots and empty pots. Meet at the parking lot behind Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg. For information call Ron Hatt at 541-863-7024.

January 12, Thursday, 7 pm

Meeting: Chapter Field Trips. Ron Hatt, chapter president, will present slides depicting the highlights of our 2005 field trips. Meeting to follow, including a planning session on the development of the native plant garden at the VA. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For information call Ron Hatt at 541-863-7024.

January 28, Saturday, 8:30 am

Field Trip: Beatty Creek RNA. The flowers were just starting to bloom at this time last year. Beatty Creek, tucked away on the north slope of Cow Creek, is a wonderful place to view many different Saxifrages. We will try to see them all this year. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg or at the Tri City McDonalds, Exit 103 at 9 am. For information call Sam Friedman 541-673-0589.

Willamette Valley

January 19, Thursday, 7 pm

Program: Pollinator Conservation—Saving the World One Bee at a Time.

Insects and other invertebrates play many important roles in our lives, including the essential one of pollination. Our native bees are one of the most important groups of pollinators, and like all wildlife, they are affected by changes in our landscapes. Matthew Shepherd, Director of the Pollinator Conservation Program, The Xerces Society for Invertebrate Conservation, will explain what these vital creatures need and what we can do to make the landscape around us—from small urban backyards to large natural areas—better for bees. Shepherd's work includes outreach to local communities and gardeners, technical assistance to farmers and land managers, production of information materials and advocacy. He is also lead author of the *Pollinator Conservation Handbook*. Straub Environmental Learning Center, 1320 A Street NE, Salem (right next to Olinger Pool, near North Salem High School). Free and open to the public. For more information, please call 503-399-8615.

January 21, Saturday, 9 am

Workshop: Landscaping with Native Plants. Here's an excellent opportunity to learn how to use natives in your backyard from the people who know. Workshop topics include site planning and preparation, finding the right plant for the right space, managing weeds and proper maintenance of a native plant garden. The four-hour, in-depth workshop will be held in the West Salem High School common area, 1776 Titan Ave. NW and is jointly sponsored by the Marion Soil and Water Conservation District, Polk Soil and Water Conservation District, Willamette Chapter of NPSO, Friends of the Straub Environmental Learning Center, City of Salem and Marion County Public Works. To register, please call 503-391-9927 by January 12. Free and open to the public.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

For a copy of the program policy and guidelines contact

Dan Luoma
Field Research Grants Committee
Chair
3740 NW Harrison Ave.
Corvallis, OR 97330
541-752-8860

or visit NPSO's web site, www.npsoregon.org/comm/FRGC.htm. Research proposals are due by March 1, 2006.



*While this beautiful bumblebee, *Bombus* sp., explores the small disc flowers of Balsamorhiza deltoidea, it helps the plant by pollinating it. To learn more about the important relationship bees have with our native plants, attend the Willamette Valley chapter's January talk.*

TANYA HARVEY

OTHER EVENTS

5th Annual Siskiyou Environmental Film Festival

February 10-12, Friday-Sunday

Havurah Sanctuary, 185 North Mountain St., Ashland

Schedule will be available at www.siskiyou.org

The Siskiyou Project is proud to present the 5th annual Siskiyou Environmental Film Festival with more than 25 films that will explore environmental issues and showcase people who are making a difference.

Each year for the past 5 years, the festival has brought together conservationists, indigenous speakers, and grassroots organizations under one roof to examine the critical issues facing our world. We invite you to attend this year's exciting presentation as we explore our world and see how people can make a difference.

Last year's film festival showcased: *Common Ground: Oregon's Ocean*, *Mardi Gras: Made in China* (2005 Sundance winner), *Last Journey for the Leatherback?*, *Go Further with Woody Harrelson*, *John Francis: Planetwalk Cuba Video and Talk*.

The Siskiyou Environmental Film Festival will showcase artistic, animated, feature and documentary films with ecological themes from around the world. By sharing these educational, thought provoking, and energizing films, in accordance with the educational mission of the sponsors, the festival will attempt to stimulate the intellect, arouse the emotions, inspire discussion and expand the viewer's notion of what an "environmental" film might be.

Conserving species and protecting the environment are admirable goals, but if no one hears about your projects then attitudes remain unchanged, public support suffers, and things get steadily worse. To inform, educate, encourage and inspire—and to bring about change for good—is an essential task.

The Festival is accepting submissions and seeking additional sponsorships for the upcoming 2006 festival. If you are an organization, speaker, or have a film to submit and would like to be a part of this year's groundbreaking film festival, please contact:

Justin Rohde
Network Coordinator
Siskiyou Regional Education Project
9335 Takilma Road
Cave Junction, OR 97523
541-592-4459
justin@siskiyou.org



Mount Pisgah Arboretum Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.

Harvesting & Using Medicinal Plants January 14, Saturday, 1 – 3 pm

In this interactive workshop, herbalist Sue Sierralupé will share her knowledge of the ancient practice of using nature's bounty to heal. Participants will learn how to make their own oils and tinctures and practice making rosehip honey. Everyone takes home a sample! Fee: \$20 (\$17 MPA members.) Registration required. Held in the Arboretum's White Oak Pavilion.

Moss & Fern Walk January 21, Saturday, 1 – 3 pm

Identify mosses and ferns, and learn about their unique life cycles and growth habits with botanist and Eugene Natural History Society president David Wagner. Donation: \$3. Meet at the Visitor Center, rain or shine.

Winter Twig Walk January 22, Sunday, 10 am – Noon

Ever wonder what plants you're looking at in winter? Join botanist Dr. Rhoda Love and learn to identify the diverse trees and shrubs of the Arboretum without their characteristic leaves. Donation: \$3. Meet at the Visitor Center, rain or shine.

Nearby Nature's No School Day Adventures

The Green Team January 16, Monday, 8:30 am – 3 pm

Spend the day with Nearby Nature discovering ways to keep our planet healthy and GREEN! Hike to Wildflower Hollow for native plant restoration. Find unique ways to reduce and reuse. Create tunes from trash. Enjoy a day of exploration, hiking, and creativity in Alton Baker Park in Eugene and at Nearby Nature's Yurt. \$30 members/\$35 non-members, ages 6-9, maximum of 12 kids. Register at 541-687-9699 or see www.nearbynature.org.

911 For Threatened Plants

continued on page 1

and Earthwatch Institute volunteers from around the world helped Kephart and Lofflin compare seedling establishment of the rare coastal plant with its more widespread relatives in the Cascade Mountains.

"The seabluff carnation is one of many species scattered across fragmented habitats in isolated, at-risk plant communities, and may be losing the genetic diversity that would help it cope with future threats," Kephart said. "It is affected by coastal development, trampling, damage from seed predators and browsing deer. Climate change may pose another yet-unstudied threat."



SUSAN KEPHART

Bagging techniques used to distinguish cross-pollinated from self-pollinated flowers.



SUSAN KEPHART

A coastal prairie and United Nations Biosphere Reserve north of Lincoln City, on Cascade Head

The good news is that Kephart's research shows that it is possible to reintroduce rare plants, even on grazed areas.

"But the plants with a more diverse genetic background have a better chance of survival than inbred progeny," Kephart said. "It's the same idea as not marrying your cousin. Lethal genes in a family lineage can hide in individuals, but they can come together in offspring, leading to stunting or death."

Kephart's research shows that inbred offspring are, in fact, stunted and have yellowed leaves, while outbred plants are larger and put forth more abundant flowers.

She has studied native plant populations at Cascade Head for more than 20 years; the current reintroduction project began in 1998.

Kephart and her students would like to see self-sustaining seabluff carnation populations restored to their historical habitat, along with continued protection of native grasslands.

"Oregon's headlands were once mostly native flower prairies," Kephart said. "Although reintroduction is a relatively recent and potentially important restoration tool, its benefits are still uncertain since much research remains to be done."

Photographic Atlas of Botany Available

Dr. James L. Castner, biologist and professional photographer, has combined his teaching experience with his photographic skills to create the *Photographic Atlas Of Botany And Guide To Plant Identification*, a learning aid created especially with botany students in mind. Designed specifically for college students of General Botany and Plant Taxonomy classes, it is also extremely useful to Master Gardeners, field biologists, and interested laymen. All photos were taken to serve as illustrations in this particular text and were not borrowed from past publications.

There are over 2000 color photos that illustrate the structural characters and anatomical features of the major plant families and taxonomic groups discussed in botany courses. In addition to photographic coverage of approximately 150 plant families from the Angiosperms, Gymnosperms, and Ferns & Fern Allies; explanations and illustrations of external and microscopic anatomy are also provided. The Anatomy section discusses and illustrates Roots, Stems, Leaves, Flowers, and Fruit. In addition, there is a glossary of specialized terms that are used throughout the book. More information and other titles can be found at www.felinepress.com or contact Dr. Castner at 352-371-6439.

Native Plant Gardener Needed

Buckman Elementary School in southeast Portland would like to develop a native plant garden on the school grounds. We would like to work with a local native plant gardener in planning and planting the garden. Contact Tim Hahn at 503-319-7414 if you are interested in helping with this project.

NPSO Items for Sale

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to:
Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.

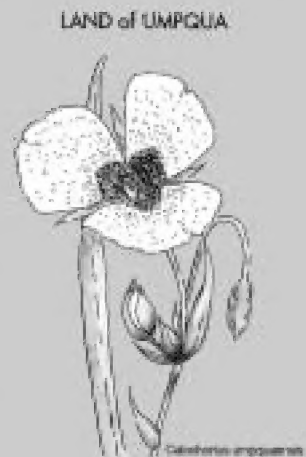
NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping**. To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorthony Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund

\$ _____

Leighton Ho Memorial Field Botany Award Fund

\$ _____

Rare and Endangered Plant Fund

\$ _____

Friends of the Oregon Flora Project

\$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

DIRECTORS (to 6/2005)..... Dan Luoma, Michael McKeag, Charlene Simpson (to 6/2006)Jenifer Hutchinson, Larry Scofield, Laura White
PRESIDENT..... Kelli Van Normanpresident@NPSOregon.org, 503-236-8787
IMMEDIATE PAST PRESIDENT..... Bruce Newhouse2525 Potter, Eugene, OR 97405; 541-343-2364
VICE PRESIDENT..... Rhoda Love.....393 Fulvue Drive, Eugene, OR 97405-2706; vice-president@NPSOregon.org; 541-345-6241
SECRETARY..... Leslie Rossmellsecretary@NPSOregon.org, 503-288-8674
TREASURER..... Candice Guth1816 SE 34th Ave., Portland, OR 97214-5033; treasurer@NPSOregon.org; 503-235-0617

CHAPTER PRESIDENTS

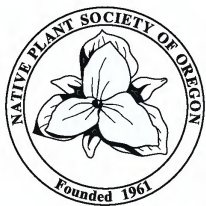
BLUE MOUNTAIN (Pendleton) Jerry BakerP.O. Box 662, Athena, OR 97813; bm_president@NPSOregon.org; 541-566-2244
CHEAHMILL Rob Tracey8210 SW Broadmead Rd. Amity OR 97101-2444; ch_president@NPSOregon.org; 503-843-2702
CORVALLIS John Syring2630 NE Seavy Circle, Corvallis, OR 97330-4236; co_president@NPSOregon.org; 541-752-0414
EMERALD (Eugene) Dave Predeek.....3127 Kinsrow Ave. Apt. 71, Eugene, OR 97401; em_president@NPSOregon.org; 541-345-5531
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KLAMATH BASIN Sarah Malaby.....kb_president@NPSOregon.org; 541-884-5703
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Friends of the Oregon Flora Project



As this goes to press, we have received \$9931 in contributions to help the Oregon Flora Project. Thank you for your support! Our last fundraiser, which was a challenge drive from November 2004 to January 2005, raised \$65,597. Those dollars were put to good work, and made progress on many fronts possible in 2005.

This year's fundraiser is different—rather than seeking funds to match a donated amount, we are challenging you to support us as we step up to accomplish our overarching goal of writing the *Flora of Oregon*. We are in an ideal position to accomplish this: the *Checklist* is approaching completion, the morphology database structure is established, and all Oregon herbarium specimens have been data-based. The missing piece?—the financial resources to pay our staff to do the work!

www.oregonflora.org

Help keep the Oregon Flora Project moving forward and providing the public with accurate and comprehensive information on our state's plants. Please give generously—your donations are wisely used and greatly appreciated! All donations are tax-deductible.

Make your check payable to either NPSO or the OSU Foundation, noting on it "Oregon Flora Project."
Mail to: Oregon Flora Project, P.O. Box 402, Corvallis, OR 97339-0402.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 2

FEBRUARY 2006

High Desert Chapter Involvement in Conservation Activities

by Berta Youtie, High Desert Chapter President

Have you been wondering what the High Desert Chapter has been doing lately? When the board meeting was held in Prineville last October, I was asked to write an article for the *Bulletin* about the Chapter's conservation activities. Being tired and jet lagged having returned from Tanzania the previous evening, I agreed. The Chapter recently decided to suspend holding formal meetings for the coming year. However, the work of the executive committee continues. If members are interested in helping, please contact me at 541-447-8166 or hd_president@NPSOregon.org or Stu

Garrett at garrett@bendcable.com.

Last year the High Desert Chapter sent a letter to Oregon Department of Fish and Wildlife (ODFW) commenting on the Oregon State Sagegrouse Plan. In it, we encouraged ODFW to promote the use of genetically local, native plants in any restoration activities. We also made comments to the US Forest Service (USFS) on their Environmental Impact Statement for the Crooked River National Grasslands recommending (1) minimizing soil disturbance to discourage noxious weed growth, (2) reduction of western juniper to protect sagebrush steppe

habitats, and (3) use of local genetic, native plant materials in their restoration actions. A NPSO representative from our chapter sits on an advisory committee for the National Grasslands.

The High Desert Chapter has been instrumental in helping Eastern Oregon Stewardship Services and 25 local, state and federal partners to establish the Deschutes Basin Native Plant Seedbank (DBNPS). This is a collaborative

continued on page 18

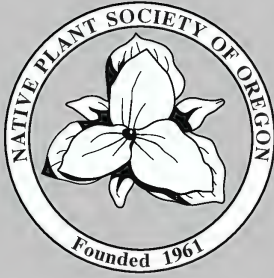
IT'S STILL RENEWAL TIME!

The NPSO membership year is January to December. If you haven't already renewed for 2006, check your address label on this *Bulletin*. If you see 2005 printed along the top of the label, you need to renew. Your membership will lapse if you do not send in your dues soon. Renew now to make sure you don't miss receiving NPSO publications. NPSO brings you field trips, programs, classes, the monthly *Bulletin*, and *Kalmiopsis*.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

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To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

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and Committee Chairs listed on the
inside of the back page.

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tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

Job Announcement

Seasonal Plant Conservation Field Assistant Needed!

The Oregon Department of Agriculture's Native Plant Conservation Program has an opening this spring/summer for a field assistant with an interest in rare plants and conducting research, an ability to pay attention to detail, and a desire to work outside and travel around the state. This is a temporary full-time position, starting in the beginning of April, 2006, with an expected duration of 4-5 months. The position pays \$2069/month (\$11.94/hour).

The person in this position will assist in the implementation and monitoring of research projects focused on increasing available knowledge of the biology, ecology and conservation of Oregon's rare and endangered plant species. This is a great position for someone with at least two years of college (15 quarter hours in a biological science), basic computer skills, a driver's license and good driving record, and an ability to work both independently and as a team member. A background in biological sciences and a familiarity with Oregon native plants and field research is a plus.

This position involves a lot of time working in the field, either with one other person or in small groups, in remote areas for up to 4-5 days at a time. This position requires frequent overnight travel and long drives to locations throughout the state. Some camping may be involved. Outside work will be performed in all weather conditions. Some hiking, lifting and carrying of equipment, and physical work may be required.

If you are interested, contact Rebecca Currin for more information at 541-737-4333 or currinr@science.oregonstate.edu.



TANYA HARVEY

On miserable, cold, rainy days, like the many we've been having, it helps to imagine the warm days of summer, your feet in a creek and the heavenly smell of mock-orange (Philadelphus lewisii) in the air. Have faith—it'll be here before you know it!

State

March 25, Saturday, 10 am – 3 pm

Board Meeting: The Mid-Columbia chapter will host the spring board meeting at the Columbia Gorge Discovery Center, 5000 Discovery Drive, The Dalles.

June 9 – 11, Friday – Sunday

Annual Meeting: The Willamette Valley and Cheahmill chapters will jointly host the Annual Meeting at Linfield College in McMinnville. More information and registration materials will be included in March *Bulletin*.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

February 23, Thursday, 7 pm

Meeting: From the Backyard to the Watershed—Planting Natives at Multiple Spatial Scales. Steve Roelof, President of the Portland NPSO Chapter, will discuss the challenges and opportunities of planting natives at a variety of spatial scales. Steve is a landscape designer who specializes in native vegetation. He will talk about the role of native plantings in parks, schools, bioswales and natural areas. Steve will also offer design tips for backyard native plant enthusiasts and highlight some of his favorite underutilized plants. Carnegie Room, McMinnville Library, 225 NW Adams St. Need more info? Susan Williams 503-538-1865 or helgesusan@comcast.net. Chapter website: www.oregon-native-plants.com.

Corvallis

January 28, February 11 & 25, Saturdays, 10 am – 1 pm

Workshop Series: Carex In Depth. Barb Wilson of the Carex Working Group will lead a series of three workshops on sedge identification. These are aimed at beginners and advanced students alike. Attend one or all. Please bring any dissecting equipment that you have. Workshops will be held in 1070 Cordley Hall, OSU campus, enter through northwest door by herbarium. Please leave a message with

John Syring at 541-752-0414 so we can be sure to prepare enough hand-outs for everyone.

February 13, Monday, 7:30 pm

Meeting: Ethnobotany in the African Rain Forest. Please join us for a unique talk by Duncan Thomas of the Smithsonian Institute. Duncan Thomas is a tropical forest expert who works in rainforests around the world. For more information please contact John Syring at 541-752-0414.

Emerald

February 27, Monday, 7:30 pm

Meeting: Little Shops of Horrors, will feature Charlene Simpson's slides of the lures and traps of flesh-eating plants. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. Call 541-345-5531.

March 11, Saturday, 9 am

Field Trip: Lichen Identification Walk on Blanton Heights. Daphne Stone will teach lichen ID in an oak savannah southwest of Eugene. Bring hand lens and wear boots. The more sensitive may need poison oak protection. Meet at 9 am at South Eugene High School. We'll return to Eugene by 1:30 pm. For more information call Dave Predeek at 541-345-5531.

March 27, Monday, 7:30 pm

Meeting: Trees, Travels and Waterfalls in Southern Brazil. Alan Curtis is a forester with ongoing studies of forests in Latin America. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. For more info call 541-345-5531.

Vases Needed for May Wildflower Festival

Do you have flower vases that you no longer use, or would you be willing to scout yard sales and second hand stores and purchase vases? These will be used for the flower displays at the annual

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

Mt. Pisgah Arboretum Wildflower Festival. Bring your vases to Emerald Chapter public programs and we will collect and store them for use.

High Desert

There will be no meetings this winter. For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

February 1, Wednesday, 7:30 pm

Meeting: Spring Edibles and Medicinal Plants of the Columbia Gorge.

Chapter member Kristin Currin owner/operator of Humble Roots Farm & Nursery, LLC will talk about some early spring greens that we can harvest this month and give information on other edible natives which will be ripening in the coming months. She'll also share her personal experience of starting a native plant nursery. The *Dalles Chronicle* Meeting Room, 317 E. 3rd, The Dalles.

March 1, Wednesday, 7:30 pm

Meeting: Container Planting.

Chapter members Lorraine Fritsch and Marilyn Sarsfield will give tips on planting in containers and some general information on the Klickitat County Master Gardeners program. The *Dalles Chronicle* Meeting Room, 317 E. 3rd, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

February 9, Thursday, 7 pm

Meeting: Invertebrate Conservation on the Ground. Join Mace Vaughan, Conservation Director of the Xerces Society for Invertebrate Conservation, as he provides a context for the importance of invertebrates, their conservation and role in ecosystem functions. He will discuss endangered species (with case studies of the Taylor's checkerspot and island marble butterflies), development of a red list of pollinator insects, conservation of habitat for pollinators in agricultural landscapes, general educational efforts to engage the public, and challenges specific to invertebrate conservation efforts on the ground. Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

Siskiyou

February 16, Thursday, 7:30 pm

Meeting: Flora of Baja. Come spend an evening exploring the rugged canyons and coastlines of the Baja peninsula with Lawrence Birch and Wendy Loren. For the last decade, Lawrence and Wendy have been photographing the extraordinary diversity and bizarre adaptations found in the plants that thrive in the harsh, arid landscape of Baja. Founder of GivingTree Farm Herb Company in Eugene, Lawrence is joined by Wendy, LMT and Health Educator. Both are Certified Clinical Herbalists and Wildcrafters with a grand passion for the flora of the desert. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more information, contact Celeste Coulter, 503-780-6360.



TANYA HARVEY

Sundews, like this rare great sundew (Drosera anglica) are intriguing insectivorous plants with glandular hairs on their leaves. The sticky fluid at the tips traps and digest insects. They grow in sphagnum bogs and wet areas with low nutrients in the soil. Their flowers only open in the sun. Charlene Simpson will show more insectivorous plants at Emerald Chapter's February lecture.

Umpqua Valley

January 28, Saturday, 8:30 am

Field Trip: Beatty Creek RNA. The flowers were just starting to bloom at this time last year. Beatty Creek, tucked away on the north slope of Cow Creek, is a wonderful place to view many different saxifrages. We will try to see them all this year. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg or at the Tri City McDonalds, Exit 103 at 9 am. For information call Sam Friedman 541-673-0589.

February 9, Thursday, 7 pm

Meeting: Amazing Mosses. Sam Friedman, chapter vice president, will give a presentation on the dazzling moss display of the western Cascade forests as seen during the drizzly, cool winter months. The speaker will acquaint the audience with such common Oregon mosses as the dusky fork moss, peat moss, water moss, hair cap mosses, the stair step moss, goose-necked moss, and bristle mosses. Be prepared to learn about the diversity of our common mosses with a slide show and actual moss specimens. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For more information call Sam Friedman at 541-673-0589.

February 25, Saturday, 8:30 am

Field Trip: Course Gold Road and Olalla Creek, northwest of Roseburg, to see *Scoliopus hallii* along with many other early bloomers, including *Saxifraga howellii*, rosy plectritis, and buttercups. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave, Roseburg. For more information call Sam Friedman at 541-673-0589.

Willamette Valley

February 21, Tuesday, 7 – 8:30 pm

Program: Garden Photography: You Can Do It! Award winning photographer Ron Cooper will discuss simple techniques that will make your garden photography more fun and rewarding.

During his 34-year career with the *Oregon Statesman* and the *Statesman Journal*, Cooper, a native Oregonian, has photographed major events in the Mid-Willamette valley, covered two national presidential nominating conventions and traveled on assignment to the former Soviet Union twice. Cooper's inquiring camera has also captured the beauty of gardens, plants and flowers. One special project involved photographing the seasonal shifts in David Rhoten's West Salem garden over a twelve month period. Since retiring from the newspaper in January, 2002, collections of his photographic work have graced homes, offices and public buildings throughout the area. During the presentation, Cooper will share some of his photos. Straub Environmental Learning Center, 1320 A Street NE in Salem (right next to Olinger Pool, near North Salem High School). The program is free and open to the public. For more information, please call 503-399-8615.

March 2, Thursday, 7 pm

Program: An Introduction to the Botany of the Western Karoo of South Africa. Dr. Robert Meinke, Plant Conservation Biology Program Leader at the Oregon Department of Agriculture and courtesy Professor at Oregon State University, will give a talk about the plants of the Western Karoo—a semi-desert plateau in South Africa. The area is rich in perennials that propagate underground (geophytes). Straub Environmental Learning Center, 1320 A Street NE., Salem (right next to Olinger Pool, near North Salem High School). Free and open to the public. For more information, call 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

For a copy of the program policy and guidelines contact

Dan Luoma
Field Research Grants Committee
Chair
3740 NW Harrison Ave.
Corvallis, OR 97330
541-752-8860

or visit NPSO's web site, www.npsoregon.org/comm/FRGC.htm. Research proposals are due by March 1, 2006.

Bulletin Mailing Coordinator Needed

Our current mailing coordinator, Mike Hartman, has served well in this position ever since the *Bulletin* printing moved to Eugene in 2000. Mike wears many other volunteer hats for NPSO so we need to find a volunteer to take over this position. We are looking for someone who lives in the Eugene-Springfield area and is willing to put in one day a month (during the next-to-last week of each month) organizing the mailing of the *Bulletin*.

To find out more information about the position contact Mike Hartman at 541-485-5202.

OTHER EVENTS

Native Plant & Tree Sale

February 24-25, Friday, 10 am – 6 pm & Saturday, 9 am – 3 pm
Salem First Church of the Nazarene, 1550 Market St. NE, Salem

The Marion Soil and Water Conservation District will hold its Fourth Annual Native Plant & Tree Sale Friday and Saturday, February 24–25. The sale will again be located at the Salem First Church of the Nazarene, 1550 Market St. NE, on the corner of Market and 16th.

Native plants help to enhance property value and provide food and shelter for birds and other wildlife. Also, once established, they require less water and maintenance since they are already adapted to our climate and soils! At the sale, we will feature great prices on bareroot plants and trees including Douglas spirea, Nootka rose, trillium, red & white alder, vine maple, and red-flowering currant. Plants will be sold on a first come, first serve basis. For questions and a list of the available plants, please call the Marion SWCD office at 503-391-9927 or check our website: www.open.org/marಿಸwcd.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Cabin Fever Hike on Rowena Plateau
March 9, Thursday, 8:30am-late

Ready to hit the trail? This is just a first taste of spring and summer hiking, but what a taste! Part of the Nature Conservancy's Tom McCall Preserve, the Rowena Plateau supports a wealth of early wildflowers. Grass widows, gold stars, desert parsley—there are always delightful surprises to be had in the rapidly-changing early spring season. The views of the Gorge and the terraced grasslands of Washington are tremendous as well. This is an easy hike of 2.2 miles round trip, with little change in elevation. Donations welcome!

North American Butterfly Association Talk

Diversity of Satyrine Butterflies
February 6, Monday

6:30 pm Food and Friends, 7:30 pm Presentation

The Eugene-Springfield of the North American Butterfly Association (NABA) is pleased to present Dr. Andrew Brower, Professor of Entomology at Oregon State. With their subtle, cryptic coloration and flashing eye spots, the more than 200 species of satyrs have been less studied than their more brightly-colored butterfly kin. Our Cascadian representatives include Great Arctics, Alpines and Wood Nymphs. In the tropics they inhabit both shady and cloud-forest environments. Based on his field studies, expert knowledge, and DNA sequencing information, Professor Brower will unravel for us the current understanding of Satyrine butterflies. EWEB training room, 500 East 4th Ave., Eugene. Questions? Ellie Ryan 541-684-8973.

Mount Pisgah Arboretum Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.

Lichen Walk

February 4, Saturday, 10am – Noon

Learn about the symbiotic relationships between algae and fungi that create the many species of lichens, and explore their ecological importance in Oregon forests and woodlands with local expert Daphne Stone. Donation: \$3. Meet at the Visitor Center, rain or shine.

Singles Hike

February 11, Saturday, 10am – 12 pm

Come explore the Arboretum's less traveled areas with Tom LoCascio, Site Manager of 24 years. Enjoy great conversation and meet other outdoor-loving singles of all ages. After the hike, warm up with hot drinks and snacks. Donation: \$3. Meet at the Visitor Center, rain or shine.

**Illustrating Nature:
Land of Lichens**

February 11, Saturday, 1 – 4pm

Join natural science illustrator, Kristine Kirkeby, and go beyond line drawing. Learn to render texture, highlights, shadows and shape with the use of coquille (stipple) board. A short supply list will be provided upon registration. Fee: \$20 (\$15 MPA members.) Registration required. Held in the Arboretum Office.

Winter Elder Walk (55+)

February 17, Friday, Noon – 2pm

Join other nature-loving seniors on an informative winter stroll. Explore the effect the changing seasons have on the flora and fauna at the Arboretum with Nature Guide Tom Bettman. Refreshments provided. Donation \$4. Meet at the Visitor Center, rain or shine.

Grant Funds Available for Low Cost Watershed Enhancement

Projects

The Middle Willamette East Small Grant Team, a partnership of local watershed councils, soil and water conservation districts and the Oregon Watershed Enhancement Board, is accepting applications for watershed restoration projects. Each grant can apply for total project funds of up to \$9,000. The Middle Willamette East Small Grants Team (serving Marion, Linn, and a small part of Clackamas County) has \$100,000 to award to these projects through June 2007.

Applications can be submitted directly to the Marion or Linn Soil and Water Conservation Districts. For consideration, interested applicants must first contact either the Marion or Linn SWCD for technical assistance prior to completing an application. The Middle Willamette East Team application deadlines are the first business days of March, June and September, 2006.

Projects eligible for funding are:

- Streamside planting or protection
- Restoration or protection of upland habitats
- Wetland protection or restoration
- Urban watershed projects
- Irrigation efficiency
- Native fish habitat improvement or passage improvement
- Conservation practices that reduce erosion or other water quality impacts

Project proposals must originate in the areas defined by Marion, Linn or southern Clackamas counties that may include, but are not limited to the drainages and tributaries of the Pudding River, Pringle Creek, Claggett Creek, North Santiam River, South Santiam River, Mill Creek and the Calapooia River.

To receive applications and instructions, please contact the Marion SWCD at 503-391-9927 or the Linn SWCD at 541-926-2483.

Funding for these awards is made available from the Oregon Watershed Enhancement Board (OWEB) through Ballot Measure 66 approved by voters in 1998. Measure 66 specified that 15 percent of lottery proceeds be used for watershed enhancement and maintenance of state parks. OWEB uses this funding to support voluntary efforts to restore factors in watersheds that limit water quality, water quantity, and the recovery of listed fish. For more information on OWEB or any of its programs, please contact Kari Seely, Public Information Coordinator, or visit www.oweb.state.or.us.

Siskiyou Field Institute Events

Don't miss the rest of Siskiyou Field Institute's (SFI's) field season! SFI will be holding courses into February this year. For more information or to sign up for a class, call 541-592-377 or go online at www.thesfi.org.

Winter Ecology

February 17-18, Ashland

Strap on some snowshoes and explore the winter world of Mt Ashland! Naturalist Kristi Mergenthaler will lead us in discovering the ingenious ways plants and animals adapt to a life in the cold and snow. We'll practice winter plant identification and learn how to interpret animal signs. Moderately strenuous snowshoeing. Okay for beginning snowshoers! \$60 per person

Saving a "Magpie" Forest

adapted from Washington State Magazine, winter, 2005-06

Washington State University purchased a 14-acre "magpie forest" near Pullman last spring to save it from development. It's a remnant of the original Palouse prairie with hawthorn thickets, quaking aspen, mountain ash, and native shrubs, grasses and flowering plants. The site will serve as a research facility for students and faculty studying native plants. Rod Sayler, WSU natural resource scientist, intends to also propagate native plants and re-introduce them to other locations.

Native Plant Gardener Needed

Buckman Elementary School in Southeast Portland would like to develop a native plant garden on the school grounds. We would like to work with a local native plant gardener in planning and planting the garden. Contact Tim Hahn at 503-319-7414 if you are interested in helping with this project.

Correction

The 2005 Annual Report in the December *Bulletin* incorrectly credited Albert Gentner with donating the photograph of *Fritillaria gentneri* on the cover of the 2005 issue of *Kalmiopsis*. This photograph was donated by Siskiyou Chapter member John Erwin of Grants Pass. Albert Gentner provided funding for the color printing of the cover.

High Desert Chapter

continued from 11

effort to increase the availability of genetically local, native seed for revegetation within the Deschutes Basin. Goals are to collect, propagate, store and make available seeds of common species used in restoration to federal, state and local agencies, non-profit organizations, and private companies and landowners. DBNPS will coordinate management, sale and inventory of native seeds, facilitate cooperation between partners and users of the seedbank and secure funding for the continuation of the work. Seedbank partners will also provide educational opportunities to its members, land managers, property owners and the public concerning benefits of native plants, their use and seeding guidelines. In summer 2004 local collections of bluebunch wheatgrass and bottlebrush squirreltail were made by Eastern Oregon Stewardship Services. This seed was given to L&H Seed to propagate in a 2-acre irrigated field. This past fall 350 lbs. of squirreltail and 179 lbs. of bluebunch wheatgrass were harvested. The majority of this seed has been sold to our members and local landowners. Idaho fescue seed is the next species to be put into production.

The NPSO is also represented on the John Day/Snake Federal Advisory Committee. The Committee provides representative citizen counsel and advice to the Secretaries of the Interior and Agriculture through the Bureau of Land Management (BLM) and USFS concerning the planning and management of the public land and natural resources located within our designated boundary. This includes portions of the Prineville, Vale and Spokane Districts of the BLM and the Umatilla, Wallowa-Whitman, Malheur and Ochoco National Forests. As we discuss and make formal recommendations on certain natural resource policy issues such as noxious weeds, native seed availability, off road vehicles, and various local and regional planning documents, the Forest Service Supervisors and BLM District Managers get a good sense on where they may find consensus in the



TANYA HARVEY

Fort Rock is one of the highlights of central Oregon's high desert and a great place to botanize.

general public. Our committee has played a significant role in assisting BLM on Standards and Guides for grazing management and on the John Day River Plan as well as advising the Forest Service on the Hells Canyon Comprehensive Management Plan and the Blue Mountain Forest Plan Revision.

Our chapter is always busy trying to reduce weeds on significant natural areas. In 1995, The High Desert Chapter noted that invasive species were a threat to the remaining native communities at Pilot Butte State Park in Bend.

We began a series of weed pulls and community education programs and have reduced the invasion of dalmatian toadflax and spotted knapweed by 95%. The Chapter assisted a local Junior High in growing native grasses to revegetate degraded sites on the Butte. We continue to monitor the status and conduct weed pulls every spring. We also assisted the Portland Chapter with the 90% reduction of teasel at Alder Springs on Squaw Creek and the BLM in controlling invasive medusahead rye on the Island RNA.

Thank You to Those Who Contributed Through Earth Share of Oregon

If you count yourself among the thousands of Oregonians who donated to Earth Share of Oregon (ESOR) last fall, thank you! Employees in over 75 businesses and public agencies committed their support for Earth Share's 66 members who work to protect human health, preserve wildlife habitat and promote alternatives that will reduce the effects of global warming. NPSO is strengthened by our membership in Earth Share and by support from donors like you.

If your workplace is not currently involved in an ESOR giving program, this is how it works: ESOR works with employers to set up a program that allows employees to support environmental programs through payroll deductions. Through this program, employees can choose to support Earth Share as a whole, enabling all of ESOR member groups to benefit, or to designate their support for one or more specific groups. In this way, even a small gift of a dollar or two per paycheck adds up to a generous contribution. It's easy and it makes a difference! For more information, please contact Ron Shoals at ESOR: 503-223-9015 or rrs@earthshare-oregon.org; or visit www.earthshare-oregon.org.



Lois Wesley Hopkins 5/28/11 ~ 12/6/05

by Mildred Thiele

Lois had a 30-year career of teaching and a 40-year love affair with wild flowers. She was a member of the California Native Plant Society for years before the Native Plant Society of Oregon was founded. She and her husband enjoyed roaming the back roads of our area. He would photograph the wild flowers and Lois would catalogue them under their common names. In 1960 Lois was delighted to find an extension course on identifying the flowers and she was soon adding the botanical names to her flora lists. Lois learned that I had just returned from Alaska where I had collected a coralroot which I thought might be a member of the heath family. Lois called me to help me identify the plant, actually an orchid, and we both discovered a mutual interest in our new-found love of flora identification. We became a team of three when we met Joan Fosback, another budding botanist, at the Glide Wildflower show.

During the flowering season we followed the network of forest roads throughout Douglas County. We hiked the trails to mountain summits and to the deflation plains at the ocean beaches gathering specimens to identify and listing the flora in each location we visited. Peck was our only reference book (no pictures), but we eagerly met the difficult challenge of solving the mystery of the intricate keys. The arrival of the first illustrated references added speed and accuracy to our plant identification. At the time the three of us drove to Eugene to take the night class on *Flora Identification* taught by Jim Hickman (editor of *The Jepson Manual*). Later we turned the tables and taught the class at UCC in Douglas County.

Lois and her flora enthusiasts were pioneers in helping to develop a number of the early floral projects of Douglas County. Starting in the 1970s, we collected and identified flora specimens for the Glide Wildflower show and continued for many years. In 1979 the

BLM contracted Lois and our group to prepare a Para-botanist training package to be used for field work with the sensitive plants of the Roseburg District. It was also used for their District Botanical Report of Sensitive Plants of the Roseburg District. We were invited by the Umpqua National Forest management to make a survey of the Boulder Creek Watershed which was included in the environmental report prepared as part of a study into possible classification of the drainage as wilderness area.

By 1980 our group was badly in need of a permanent home for our large collection of botanical material. Years earlier, Lois had discussed the possibility of an Herbarium with the first curator of the Douglas County Museum of Natural History. One of his goals for the museum was an herbarium housing specimens of each plant growing wild in the county. Lois took this idea to the then-present curator and he was delighted to have us establish a scientific herbarium to house our unwieldy collection. The Friends of the Museum were generous with cabinets, dissecting scopes, scientific books and many other supplies. Lois' knowledge of the proper procedure in processing specimens was invaluable. Both Dr. David Wagner and Dr. Ken Chambers gave valuable suggestions for developing a scientific herbarium. Now our collecting and processing of material took on a new dimension and our 42 volumes of identifier specimens could be replaced with the scientific herbarium collection. Mary Carlson joined the group that year and we settled into the permanent workshop at the Museum.

Next came the golden age of the computer! No matter that we four ladies were all over 60 years of age, we recognized the potential of the computer. By 1987 Lois and Mary had developed a database that would contain our scientific data concerning Douglas County flora. That database made it

possible for us to create any combination of our scientific data that we required for a specific project. We published, and later revised, the *Flora Distribution Survey for Douglas County*. We also compiled the *Herbarium Field Inventory* during the mid 1990s and revised it using the nomenclature changes provided by the Oregon Vascular Plant Checklist group.

Lois and her co-workers attended the first meeting of the Oregon Check List for the Atlas Project. At the Meeting, Chairman Dr. Scott Sundberg asked for locations of floral listings throughout the state. When the Herbarium newsletter was printed with a map showing the locations of lists reported thus far, Douglas County was almost darkened in with pinpoints. Meticulously recording every flower blooming in each location had paid off big time. It is no wonder we were called "The little old ladies in hiking boots".

During the last 45 years Lois, with the devoted group of lay-botanists, has enjoyed working with the Douglas County flora. There have been moments of high adventure, like the time Lois walked out to explore a patch of bright green moss and suddenly found herself waist deep in a mountain bog, or when one of the group fell into a large hole while going down a steep hillside. When we reached the meadow below Lois discovered six huge Marijuana plants growing in fifty-gallon drums. She said we had discovered the true pothole!

Lois was active in the quest for knowledge of wildflowers until the day she died, on December 6, 2005. The Friends of Douglas County Museum have established a memorial fund in her name to be used for the Herbarium. Donations can be sent to the Douglas County Museum at 123 Museum Dr., Roseburg, OR 97470. Make checks payable to Friends of Douglas County Museum and note for Lois Hopkins Herbarium fund.

There is Trouble in the Forest

by David McClurg, Emerald Chapter

I ride slowly along the riverbank trail on my bike, entering a wooded area of tall cottonwood trees. I listen in the silence for hints of the slow motion battle going on in this changing landscape. Dam building around the 1950s stopped the intermittent floods that used to course through this old river channel. You can still trace the path of the water through the low places full of sedges. Without the floods, something is happening. "Diversity of species is highest when disturbance occurs at an interval between the extremes. Ecologists have shown that in the complete absence of disturbance, superior competitors can slowly encroach upon other species and eliminate them by competitive dominance." (1)

There is trouble in the forest between the cottonwoods and the Douglas-firs. The only cottonwoods I see are old majestic towers, over 75 feet tall and likely more than 50 years old. There are no young cottonwood saplings. Instead, I see numerous Douglas-fir saplings scattered among them, ready to take their places as they fall. "Dam building has prevented regeneration of native riparian cottonwood stands. Cottonwood germination requires bare ground [and moisture] that winter flooding once provided." (2) Sadly, I realize that a forest dominated by Douglas-fir would be darker in the winter, lack the floating cotton fluff in the spring, lack the balsam river smell, and fail to provide for the great blue herons who like to nest here.

I see a broken twig with large sticky buds lying on the path in front of me. I remember how in the spring I put one in a jar of water and it easily sprouted many thin white roots. It is a cottonwood, adapted to life next to the river, and this is a form of propagation; a bridge to the next generation. I pick it up.

1. Kimmerer, Robin. 2003. *Gathering Moss* p.67
2. French, Pat. 2005. *Restoration and Monitoring Plan—Eastgate Woodlands of the Whilamut Natural Area* p.7

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheah-mill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping**. To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 Only for those who wish to subscribe, but do not want to have full membership status.

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

Leighton Ho Memorial Field Botany Award Fund \$ _____

Rare and Endangered Plant Fund \$ _____

Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

DIRECTORS (to 6/2005)..... Dan Luoma, Michael McKeag, Charlene Simpson (to 6/2006)Jenifer Hutchinson, Larry Scofield, Laura White
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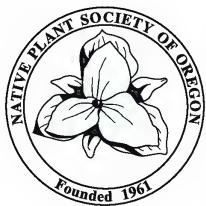
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EDUCATION Position vacant
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Send change of address notices
and membership requests to:

Native Plant Society of Oregon
Clayton Gautier, Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

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OF OREGON

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Friends of the Oregon Flora Project

Our fundraising campaign for 2005-2006 continues, and if you have not yet made a contribution to the Oregon Flora Project, we urge you to do so. Funds from these donations are currently the key component of our operating budget. They keep our staff employed, so that the Flora Project can keep you informed about the plants of Oregon!

We are very appreciative of the many contributions we have received thus far. If you donated in 2005, remember that this new year brings new opportunities for tax-deductible giving. And if you have not supported the Oregon Flora Project during this fundraiser, we certainly hope you will. We are pleased to be able to acknowledge those who con-

tribute \$300 or greater with a copy of the beautiful new book *Ever Blooming: The Art of Bonnie Hall*, edited by James D. Hall.



www.oregonflora.org

Your support will allow us to make progress on the Flora of Oregon, as well as keep existing resources available. Please help with a contribution today!

Make your check payable to either NPSO or the OSU Foundation, noting on it "Oregon Flora Project."

Mail to:
Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 3

MARCH 2006

2006 ANNUAL MEETING

**June 7-9
in McMinnville**

*Don't miss it!
Registration form and
other information
are enclosed*

2nd Annual Native Plant Appreciation Week May 1-8, 2006

Planning for the second annual Native Plant Appreciation Week is underway! Join NPSO in celebrating the wonder and beauty of native plants from May 1-8, 2006.

In 2005 Governor Kulongoski officially proclaimed Native Plant Appreciation Week and we expect him to do the same this year. One of the main goals of Native Plant Appreciation Week is to share our passion for native plants with the general public. Some of the ways we accomplished this last year were by creating store-front art exhibits, wildflower shows, bookstore displays, school programs, plant sales, and interesting native plant walks. We especially encourage collaboration with other organizations such as Audubon Society, Nature Conservancy, Sierra Club, government agencies, and others. We will be updating the NPSO website shortly and hope to have a comprehensive list of activities and new information to encourage your participation. New ideas are always welcome and encouraged! Please contact Matt Blakeley-Smith at mattbs@peak.org if you have any questions or would like to participate or plan an event.

PHOTO CONTEST

This year NPSO will be hosting a photo contest in order to select an image for the 2006 Native Plant Appreciation Week poster. Photos should showcase a plant community or a portrait of an Oregon native plant. Entries must be submitted online on the new NPSO photo gallery website:

www.npsoregon.org/photos/index.html

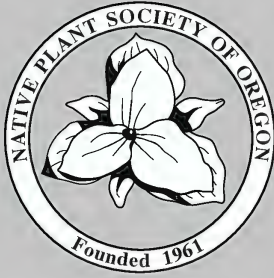
Initial judging will be from preview-size digital images, but the winning photographer must provide a high-resolution image (300 dpi at 8.5 X 11) and must allow NPSO to reproduce the image free of charge for our poster. Please limit yourself to two submissions and have them in by March 16, 2006. Questions can be e-mailed to Matt Blakeley-Smith mattbs@peak.org

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HAS YOUR MEMBERSHIP EXPIRED?

If there is a "2005" at the top of your address label, this is the last *Bulletin* you will receive ... until you send your membership renewal for 2006.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

ISSN 0884-599. Published 11 times per year. Subscription price \$18/year. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Seasonal Field Botanists Needed

The Student Conservation Association is now hiring seasonal field botanists to lead teams of 3 young adult volunteers to collect native seeds for the Bureau of Land Management.

Staff positions will be based out the following BLM field offices: Twin Falls, ID; Hollister, CA; and Baker City, OR. Positions start on March 20, 2006 and end September 1, 2006. Salary is \$500/week with benefits. Applications are now being accepted.

The ideal candidate has a minimum of one year of experience leading groups of young adults in field settings, at least one year of project management, and a strong background in field botany. Familiarity with the local flora is highly desired.

To apply, please send a cover letter and résumé to Bryan Baker, Native Plant Corps Director, at bbaker@thesca.org or fax 206-324-4998. For more information about SCA visit www.thesca.org.

New Institute of Contemporary Ethnobotany

We are excited to announce the formation of a new organization dedicated to deepening the knowledge of sustainable interactions between plants and people. We offer workshops and classes on botany, herbalism, gardening and more! To see a full schedule of events go to www.foodnotlawns.com. For more information or to be put on our mailing list, please e-mail Tobias Policha at tpolicha@uoregon.edu. Thank you for your interest.



Manzanitas are early bloomers and green-leaf manzanita (Arctostaphylos patula) is no exception. It occurs from southwest Oregon up through the Cascades on both the east and west slopes. At its lowest elevation sites it may start blooming as early as March. It differs from the common hairy manzanita (Arctostaphylos columbiana), which grows in similar areas in the Cascades, by its greener leaves and lack of long bristly hairs.

TANYA HARVEY

State

March 25, Saturday, 10 am – 3 pm

Board Meeting: The Mid-Columbia chapter will host the spring board meeting at the Columbia Gorge Discovery Center, 5000 Discovery Drive, The Dalles.

June 9 – 11, Friday – Sunday

Annual Meeting: The Willamette Valley and Cheahmill chapters will jointly host the Annual Meeting at Linfield College in McMinnville. Information and registration materials are included in this *Bulletin*.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

March 23, Thursday, 7 pm

Meeting: Seeing the trees from the forest—New insights into western ecology from the last Ice-Age to present. Geologist and paleobotanist, Peter Van de Water, will give a Powerpoint presentation discussing examples of adaptive physiological changes which have occurred in select North American plant species over the last 20,000 years. Over this time period, the geographic distribution of many plant species has been altered in response to changing environmental conditions including shifts in atmospheric carbon dioxide levels. Find out how new technology has increased the wealth of information gathered from fossil records. Carnegie Room, McMinnville Library, 225 NW Adams St. For more info contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

April 6, Thursday, 7:30 pm

Presentation: Gathering Moss—Lessons from the Small and Green. Robin Wall Kimmerer, an Associate Professor at SUNY College of Environmental Science and Forestry, will give a slide presentation on mosses at Linfield College. Ms. Kimmerer's first book *Gathering Moss: A Natural and Cultural History of Mosses* won the 2005 John Burroughs Medal for Distinguished Natural History Writing. This lecture is co-sponsored by Linfield and the Cheahmill Chapter. Linfield College, McMinnville, Graf Hall 101. For more info call Susan at 503-538-1865.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

April 29, Saturday, 9 am – 4 pm

Workshop & Field Trip: Bryophyte Basics. This 'all-day' educational experience will be led by John Christy of the Oregon Natural Heritage Information Center at OSU. The event is co-sponsored by Linfield College and Cheahmill Chapter. The morning workshop on how to identify mosses will be held on the Linfield campus in McMinnville followed by an afternoon field trip to Mt. Hebo. Cost is \$40. Pre-registration is required. Participant numbers are limited. To register, send check payable to 'Cheahmill NPSO' to Susan Williams, 29601 NE David Ln., Newberg, OR 97132. For more info call Susan at 503-538-1865 or e-mail helgesusan@comcast.net.

Corvallis

March 13, Monday, 7:30 pm

Meeting: Five Months at 3 mph—Notes from the Pacific Crest Trail. What's it like to walk for months at a time? OSU graduate student and amateur botanist Craig Smith will talk about his 2005 trek from Mexico to Canada along the Pacific Crest Trail. From the Mojave Desert to the Cascades, hiding in Joshua trees for shade, and sharing water with carnivorous pitcher plants, past Shasta and Rainier, dodging rattlesnakes, please join us on a photographic journey of a narrow slice through the American West. Meetings are held at the Avery House, Avery Park, Corvallis. For more information please contact John Syring at 541-752-0414.

March 18, Saturday, 9 am

Field Trip: Lichen Identification Walk at Luckiamute Landing. Daphne Stone will teach lichen ID as we stroll through a rarely-visited valley bottom gallery forest. The walk is about 5 miles round-trip on flat ground. Bring hand lens and a lunch. Meet at the OSU parking lot SW of

the Beanery, 26th and Monroe, Corvallis, at 9 am. For more information please contact John Syring at syringj@science.oregonstate.edu.

Photo Contest Entries Wanted

Corvallis chapter is sponsoring a photo art show, "Native Plants of Benton County," May 2-31. Up to thirty 8" x 10" images will be selected to hang in the art display window at the Birkenstock Store on Third Street. Members are invited to submit their prints to Frances Stilwell or Matt Blakeley-Smith by Monday, April 24 at 5 pm. Each submission must be matted in white and labeled on the back with plant ID, location and date. A few potential themes include native plant portraits, plant communities, native plant gardens, pollinators, or people interacting with plants. Please contact mfstilwell@peak.org or mattbs@peak.org with any questions.

Emerald

March 11, Saturday, 9 am

Field Trip: Lichen Identification Walk on Blanton Heights. Daphne Stone will teach lichen ID in an oak savannah southwest of Eugene. Bring hand lens and wear boots. The more sensitive may need poison oak protection. Meet at 9 am at South Eugene High School. We'll return to Eugene by 1:30 pm. For more information call Dave Predeek at 541-345-5531.

March 27, Monday, 7:30 pm

Meeting: Trees, Travels and Waterfalls in Southern Brazil. Alan Curtis is a forester with ongoing studies of forests in Latin America. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. For more info call 541-345-5531.

April 1, Saturday, 9 am

Field Trip: Sweet Creek in the Coast Range. Learn moss identification and view spring flora. Rob Weiss will lead a 2- to 3-mile hike along the Sweet Creek Trail. He will supply each participant with a list of 60 bryophytes

found in the area. Bring hand lens, rain gear and lunch. Meet at 9 am at South Eugene High School or 10 am at the lower Sweet Creek trailhead. For more info call Rob at 541-563-3947 or Dave at 541-345-5531.

April 24, Monday, 7:30 pm

Meeting: Grand Canyon Flora. Bitty Roy and Michael Wherley will show pictures of botanical treasures and rapids at the bottom of the Grand Canyon of Arizona seen while rafting down the Colorado River. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. For more info call 541-345-5531.

Vases Needed for May Wildflower Festival

Do you have flower vases that you no longer use, or would you be willing to scout yard sales and second hand stores and purchase vases? These will be used for the flower displays at the annual Mt. Pisgah Arboretum Wildflower Festival. Bring your vases to Emerald Chapter public programs and we will collect and store them for use.

High Desert

There will be no meetings this winter. For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

March 1, Wednesday, 7:30 pm

Meeting: Container Planting. Chapter members Lorraine Fritsch and Marilyn Sarsfield will give tips on planting in containers and some general information on the Klickitat County Master Gardeners program. The Dalles Chronicle Meeting Room, 317 E. 3rd, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

March 9, Thursday, 7 pm

Meeting: Oak-Prairie Habitats of the Willamette Valley. Although oak trees may be the most famous residents of our historic oak and prairie habitats, there are many other trees, shrubs, grasses and wildflowers, butterflies, mammals, "herptiles", birds and even fungi that can be seen in these rich and varied habitats. Come join Bruce Newhouse, longtime NPSO member (and former NPSO state president!) as he gives a broad overview of all these species, plus a little history of how these habitats have declined in recent history. Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

March 11, Saturday, 8:30 am

Field Trip: Catherine Creek. The premiere early flower spot in the Gorge, with *Olsynium douglasii* in profusion, *Fritillaria pudica*, *Lithophragma glabra*, several Lomatiums, and many others. Leave at 8:30 am, Gateway/NE 99th Ave Park and Ride, southeast corner of parking lot. Second meeting place at 9:45 am across from Bingen Post Office on SR-14. 120-mile round-trip drive; easy walking 3 to 4 miles, with 500 ft. elevation gain. Call Jan and Dave Dobak at 503-248-9242 for more info.

April 8, Saturday, 10 am

Field Trip: Madrone Wall. The Madrone Wall is an unusual Pliocene lava flow bluff overlooking the Clackamas River that supports a large and uncommon stand of mature Pacific madrone (*Arbutus menziesii*). The Madrone Wall Preservation Committee (www.savemadrone.org), dedicated to the long term preservation of the Wall, will lead a public tour with the Portland Chapter to view wildflowers at

this unique geologic area. Portland members with wildflower expertise are encouraged to attend. Meet for a car-pool at TriMet's Gateway/N.E. 99th Avenue Transit Center in Portland at 10 am. We will be back by 1:30 pm. Bring your hiking boots for an adventurous, off-trail look what is to be preserved at this amazing civic treasure. RSVP to Keith Daellenbach (kdaellenbach@att.net).

Siskiyou

March 16, Thursday, 7:30 pm

Meeting: A Virtual Tour of the Cascades-Siskiyou National Monument/Weeds on the Pacific Crest Trail. See the mountains and forests of southwestern Oregon with a bird's eye view! Fly over the Cascade-Siskiyou National Monument through a highly detailed computer landscape with your tour guide, Peder Nelson (Southern Oregon University graduate student). View Pilot Rock, Soda Mountain, Jenny Creek, and other unique places from a new perspective while learning a little more about the character of this area. Peder will also share the results of his Master's thesis *Weeds on the Southwest Oregon Pacific Crest Trail* where he examined the presence and abundance of weeds along a 120-mile section of the PCT from I-5 north through Crater Lake National Park. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more information, contact Celeste Coulter, 503-780-6360.

Umpqua Valley

March 4, Saturday, 8:30 am

Field Trip: Beatty Creek RNA. We will revisit the Beatty Creek rocks formations, south of Roseburg to observe the latest bloomers. Some of the flowers we hope to see are grass widow (*Olsynium douglasii*), goldfields (*Lasthenia californica*), romanzoffias, lomatiums, and more of the lovely saxifrages. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg at 8:30 am or at the Tri

City McDonalds, Exit 103 at 9 am. For more information call Sam Friedman 541-673-0589.

March 15, Wednesday, 7 pm

Program: Rare and Endemic Plants of the Northwest. Mark Turner, a professional photographer from Bellingham Washington, will present a portion of his exquisite photograph collection of rare and endemic plants. This presentation will focus on several rare beauties found in the Olympic Mountains, Steens Mountain, the Klamath/Siskiyou Mountains, and the Columbia Plateau. Mark photographs extensively for books and magazines. His new book called *Wildflowers of the Pacific Northwest* features some of these photographs. Mark has traveled to almost every corner of the Northwest to painstakingly capture the best flower images, so if you love photography and wildflowers, this is one event you won't want to miss. Ford Room in the Douglas County Library, 1409 Diamond Lake Blvd., Roseburg at 7 pm. For more information call Sam Friedman at 541-673-0589.

March 25, Saturday, 8:30 am

Field Trip: Wolf Creek Falls. It's always a pleasure to visit Wolf Creek Falls, east of Roseburg, with its ancient forest feel. We'll walk the easy trail to the falls while looking at the many mosses, liverworts, lichens, and ferns. We also hope to see the flowers of *Trillium ovatum*, goldthread (*Coptis laciniata*), oxalis, osoberry, and wild ginger along with a few others. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg at 8:30 am. For information call Sam Friedman 541-673-0589.

Willamette Valley

March 2, Thursday, 7 – 8:30 pm

Program: South African Botany. Dr. Robert Meinke, plant conservation biology program leader for the Oregon Department of Agriculture, will present an introductory program on the botany native to the Western and Northern regions of the Cape of South

Africa. Meinke, who recently visited South Africa, will use slides to illustrate the wide variety of plants that grow in the fascinating Western Karoo area. This unique area is geophyte rich which means it produces many perennial plants that propagate underground. Straub Environmental Learning Center, 1320 A Street NE., Salem (right next to Olinger Pool, near North Salem High School). Free and open to the public. For more information, call 503-399-8615.

March 19, Sunday, 7 am – 6 pm

Field Trip: Catherine Creek/Dalles Mountain Road. See premier wildflower sites in the east Columbia Gorge. Frequent stops are planned for this easy 2- to 3-mile hike. Participants will then drive up The Dalles Mountain Road stopping at key view points. Bring lunch, water and rain gear. Pre-register with leader John Savage at 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.



Bigleaf maples (Acer macrophyllum) open their large pendulous racemes of yellow-green flowers in March in the lowlands.

TANVA HARVEY

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Cabin Fever Hike on Rowena Plateau March 9, Thursday, 8:30am – late

Ready to hit the trail? This is just a first taste of spring and summer hiking, but what a taste! Part of the Nature Conservancy's Tom McCall Preserve, the Rowena Plateau supports a wealth of early wildflowers. Grass widows, gold stars, desert parsley—there are always delightful surprises to be had in the rapidly-changing early spring season. The views of the Gorge and the terraced grasslands of Washington are tremendous as well. This is an easy hike of 2.2 miles round trip, with little change in elevation. Donations welcome!

Mount Pisgah Arboretum Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more more information or to register call 541-747-1504.

Introduction to Botanical Illustration March 18 & 19, Saturday & Sunday, 8:30 am – 4:30 pm

Learn the basics of drawing plants from seasoned botanist, illustrator and teacher, Dr. Linda Ann Vorobik. She introduces participants to basic drawing skills, parts of the plant, and the field of botanical illustration through demonstrations and lectures. Dr. Vorobik also demonstrates use of watercolor and pen and ink for finishing illustrations beyond the pencil sketch. Mornings begin with a lecture and demonstration followed by supervised sketching; afternoons include lecture, demonstrations and sketching time. The workshop closes with a friendly critique of drawings produced. All skill levels are welcome; accomplished artists can learn from added botany skills and skilled botanists will learn to draw. Fee: \$125 (\$100 for MPA, NPSO and GNSI members).

Mount Pisgah Arboretum Nature Guide Training

Love nature and enjoy working with children? Mount Pisgah Arboretum is currently recruiting volunteers who enjoy working with children and want to learn more about local natural history. Trained nature guides lead morning walks along the Arboretum trails with small groups of 6-8 elementary school students. Take advantage of this opportunity to explore the plants and animals of our forests, meadows and waterways, while making science come alive for young students.

Guide Training begins Wednesday evening, April 5, and covers natural history, teaching techniques, group management and storytelling. Volunteers are required to lead a minimum of one morning tour or afternoon activity session per week (April 24–June 14). Senior citizens encouraged to apply. Credit available for U of O and LCC students. For information or an application, call the Arboretum Education office at 541-747-1504 or e-mail to mtpisgfr@efn.org.

Leach Botanic Garden Events

6704 SE 122nd Ave. Portland, OR. For more information call 503-823-9503.

Leach Botanical Garden offers tours of the garden every Saturday at 10am, February to November. The first Saturday of each month is the "Gardener's Tour" led by garden steward, Scotty Fairchild. Each month the tour will focus on a theme. The March theme is "The Garden Awakens," come see what's in bloom. In April, "Ferns & Riparian Companions" features our unique collection of ferns emerging along the banks of Johnson Creek. Free admission.

Nearby Nature Volunteer Orientation

March 8, Wednesday, 6:30 – 8 pm EWEB, 500 E. 4th Ave., Eugene

If you love spending time outside and want to make a difference in your community, then you should volunteer for Nearby Nature in Alton Baker Park, Eugene. This spring, Nearby Nature volunteers will lead school nature walks, assist with special events, and do restoration work in the park. Nearby Nature volunteers get free training, meet new people, and have lots of fun. Training for our nature walks program starts in March. To join us at our spring volunteer orientation, call 541-687-9699, e-mail info@nearbynature.org, or see www.nearbynature.org.

40th Annual Glide Wildflower Show

April 29 & 30, 9 am -5 pm Glide Community Building, 20062 N. Umpqua Highway 138

This annual show features hundreds of plants from the diverse habitats of Southwestern Oregon, arranged by family and identified by botanical and common names. Photographs of rare and endangered species are also on display. Special exhibits highlight intriguing aspects of our native flora, and botanists will be on hand to answer visitors' questions.

For more information call 541-677-3797 or visit www.glidewildflowershow.org.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

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Is this a change of address? If so, please write your old address here:

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund

\$ _____

Leighton Ho Memorial Field Botany Award Fund

\$ _____

Rare and Endangered Plant Fund

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Friends of the Oregon Flora Project

\$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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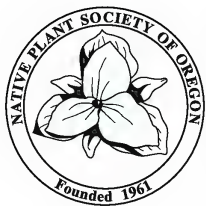
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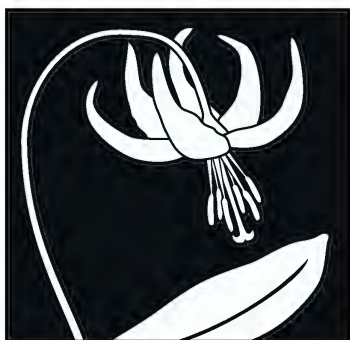


a member of **Earth Share**
OF OREGON

TIME DATED MAIL

Friends of the Oregon Flora Project

The Oregon Flora Project fundraising campaign will be coming to a close, and we need your help! Since November 20, we have received \$50,711 in contributions. Thank you for your generosity! These funds currently cover the majority of our operating expenses and pay the salaries of our staff. This is 77% of the amount our 10th anniversary challenge drive (2004-2005) brought to the Project. Can you help us match—or exceed—that \$65,600 with a contribution today? Your support will fuel the development and writing of the new *Flora of Oregon*.



www.oregonflora.org

Please make checks payable to NPSO
or the OSU Foundation, and note
that it is for the Oregon Flora Project.

Mail to:
Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402



TANYA HARVEY

*Another sign of spring is the bright yellow spathe of skunk cabbage (*Lysichiton americanus*). Its real flowers are tiny and grow in precise patterned rows on the spadix.*



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 4

APRIL 2006

Intern Report

Aster vialis, Their Chance in the Sun

by Robert Castlen

The following article on Wayside aster is the first in the series from NPSO/Institute for Applied Ecology (IAE) interns during the 2005 field season. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon during the past summer. In this article, Robert Castlen describes his experience working with population monitoring and habitat restoration for Wayside aster in forests near Eugene, in collaboration with the BLM. For more information on internship opportunities, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Many thanks to NPSO for contributing to botanical education and work experience.

Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

Aster vialis

Aster vialis (wayside aster), endemic to the Willamette Valley and surrounding foothills, is an herbaceous perennial in the Sunflower family that can grow to heights of about 1 m, and produces yellow but not particularly showy flowers from mid-July to September. An individual can have multiple stems connected from as far apart as 20 cm by underground rhizomes, and may live for 50 years or more (C. Mayrsohn, pers. comm.). Populations are found on dry locations in coniferous forests from elevations of 150 m to 960 m. *A. vialis* is present at sites of varying sunlight, from completely open to completely closed Douglas-fir canopies, but the plant appears to prefer light levels somewhere in between (Wogen 1998).

The Current Situation

Populations of *A. vialis* are declining as the natural succession of undisturbed forest proceeds and the overstory closes in. It appears that *A. vialis* has low rates of flowering and fruiting

when deprived of too much light by an overhead canopy (Wogen 1998). This, added to its high percentage of sterile seeds and strict germination needs, creates a low rate of seedling recruitment and population growth for the species. The decline in size of some populations and the lack of new population establishment could put *A. vialis* on a downward spiral. *A. vialis* plants are self-incompatible, so they require cross pollination from insects (Kaye et al. 1991). As flowering declines and its habitat becomes fragmented, the chances of reproduction for this plant may drop. The reproduction that does occur in these situations is from a small gene pool and the potential for inbreeding depression is high. It is for these reasons that *A. vialis* is listed as a threatened species by the state of Oregon and a species of concern by the U.S. Fish and Wildlife Service.

The growing region of *A. vialis* is an area that was historically subject to frequent natural fires and prescribed burnings by indigenous peoples. These

continued on page 40

2006 ANNUAL MEETING

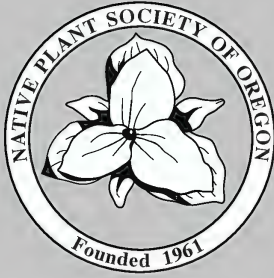
June 7-9 in
McMinnville

Don't miss it!

Look for registration form and other information in March *Bulletin* or online at www.npsoregon.org

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Native Plant Society of Oregon

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To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

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P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOoregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Native Plant Appreciation Week

May 1-8, 2006 will officially be declared Native Plant Appreciation by Governor Ted Kulongoski. This is a chance for all of us to share our passion for native plants with the general public and instill native plant appreciation in a new group of people. One of the main goals of NPAW is to reach out to the general public more so than usual by offering events for newcomers and advertising in the newspaper or on the radio. It is important that organizers publicize their own events and forward me all relevant information so it can be added to the website. It's not too late to organize an event or to collaborate with other organizations. The Corvallis chapter is planning to sponsor a native plant sale, school programs, wild-flower hikes, and a joint outing with the Sierra Club. Remember to check the NPSO website (www.npsoregon.org) for the latest updates. Please contact Matt Blakeley-Smith (mattbs@peak.org or 541-752-1091) with any further questions.

Rare & Endangered Plants Committee

Oregon has ten species on the Federal list of R&E plant species and 29 on the State list (with nine overlaps). The state-wide R&E Committee wishes to monitor how these species are doing and also to determine which additional species warrant listing. The Committee would like to develop educational programs that describe the state's flora for use by schools and others. We would like to increase our conservation activities by providing appropriate and specific information about local plants to city and county committees on management, planning, and parks and recreation. To carry out these activities, we are seeking new members who wish to learn more about R&E plants and who would find it worthwhile to help increase public awareness of our wonderful flora. Please join us. Contact Les Gottlieb (Siskiyou Chapter): leslie@ashlandhome.net (541-488-0731)



TANYA HARVEY

*Sometimes you find plants without ever even seeing them. Last July at Abbott Butte in Douglas County, the seeps were filled with small annuals: *Mimulus guttatus*, *M. breweri*, *Gilia capillaris* and, seen above, *Lewisia triphylla*. It was only upon looking at my photographs this winter that I noticed an even tinier flower in bloom. This miniscule 3-parted (unusual for a dicot) annual with pinnate leaves turns out to be *Floerkia proserpinacoides*, false mermaid. There aren't very many records on the Oregon Flora Project Atlas. But at this size, it is easily overlooked!*

State

June 9 – 11, Friday – Sunday

Annual Meeting: The Willamette Valley and Cheahmill chapters will jointly host the Annual Meeting at Linfield College in McMinnville. Information and registration materials were included in the March *Bulletin* and can also be found on the NPSO website, www.NPSOregon.org.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

April 6, Thursday, 7:30 pm

Lecture: Gathering Moss: Lessons from the Small and Green. Dr. Robin Wall Kimmerer, a Professor of Environmental & Forest Biology at SUNY College of Environmental Science & Forest Biology in Syracuse, NY, will give a free, public slide presentation at Graf Hall 101, Linfield College in McMinnville. This event is co-sponsored by the biology department at Linfield and the Cheahmill Chapter. Dr. Kimmerer has published numerous articles on the biology and ecology of mosses, as well as articles on traditional Native American knowledge of the natural world. Her new book, *Gathering Moss: A Natural and Cultural History of Mosses* won this year's 79th annual John Burroughs Medal for outstanding natural history writing. This talk is an invitation to stop and look more closely, to explore and learn from the elegantly simple lives of mosses. Mosses play ecological roles that belie their small stature and intertwine with the lives of countless other beings. The talk brings to life the natural history and cultural relationships of mosses as a powerful metaphor for ways of living in the world. For more info call Susan, 503-538-1865, helgesusan@comcast.net.

April 27, Thursday, 7 pm

Meeting: Changing Flora of Portland, Oregon, 1875-2005. What do golden sedge, western lady slipper, and ghost orchids have in common? They once grew in Portland and have since disappeared. Reed canary grass and English ivy were once infrequent or absent and are now ubiquitous. Join wetlands ecologist, John Christy, to hear about these and other botanical factual oddities recovered from 100-year-old publications and specimens documenting Portland's flora—from the days of horse-drawn traffic to the present. Carnegie Room, McMinnville Library,

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

225 NW Adams St. More info? Susan Williams 503-538-1865 or helgesusan@comcast.net.

April 29, Saturday, 9 am – 4 pm

Workshop & Field Trip: Bryophyte Basics. This all-day educational experience will be led by wetlands ecologist John Christy who specializes in wetland community ecology, bryophytes, and historical ecology. The morning workshop on how to identify mosses will be held on the Linfield College campus in McMinnville and will be followed by an afternoon field trip to Mt. Hebo. The event is co-sponsored by the Linfield Biology department and the Cheahmill Chapter. Cost is \$40. Pre-registration is required. Participant numbers are limited. To register send check payable to "Cheahmill NPSO" to Susan Williams, 29601 NE David Ln., Newberg OR 97132. For more info call Susan at 503-538-1865 or e-mail to helgesusan@comcast.net.

Corvallis

April 9, Sunday, 7:30 am

Field Trip: Catherine Creek. Columbia River Gorge. We'll explore one of the premier wildflower hot spots in Oregon. 300 miles round-trip drive; easy walking 3 to 4 miles, with 500 ft. elevation gain. A reservation is required for this particularly popular trip. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis. Please contact Matt Blakeley-Smith mattbs@peak.org 541-752-1091

April 10, Monday, 7:30 pm

Meeting: Empty Promises and Tasty Treats, the Pollination Ecology of Mountain Lady's Slipper (*Cypripedium montanum*) and Brown's Peony (*Paeonia brownii*). Nan Vance, a plant physiologist with the US Forest Service, will be presenting her research on these two amazing Oregon natives. Nan will discuss how the Brown's peony and mountain lady's slipper

orchid attract specific pollinators and ensure pollination success, and the evolutionary and ecological implications of their mating systems. Meetings are held at the Avery House, Avery Park, Corvallis. For more information please contact John Syring at 541-752-0414.

April 22, Saturday, 9 am

Field Trip: Beazell County Park.

Kings Valley. On this half-day trip we will visit Benton County's newly added 585-acre memorial forest. We'll look for early flowering forest species as well as upland prairie rarities. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis. Contact Matt Blakeley-Smith mattbs@peak.org 541-752-1091.

Photo Contest Entries Wanted

Corvallis chapter is sponsoring a photo art show, "Native Plants of Benton County," May 2-31. Up to 30 8" x 10" images will be selected to hang in the art display window at the Birkenstock Store on Third Street. Members are invited to submit their prints to Frances Stilwell or Matt Blakeley-Smith by Monday, April 24 at 5 pm. Each submission must be matted in white and labeled on the back with plant ID, location and date. A few potential themes include native plant portraits, plant communities, native plant gardens, pollinators, or people interacting with plants. Please contact mstilwell@peak.org or mattbs@peak.org with any questions.

Emerald

April 1, Saturday, 9 am

Field Trip: Sweet Creek in the Coast Range.

Learn moss identification and view spring flora. Rob Weiss will lead a 2- to 3-mile hike along the Sweet Creek Trail. He will supply each participant with a list of 60 bryophytes found in the area. Bring hand lens, rain gear and lunch. Meet at 9 am at South Eugene High School or 10 am at the lower Sweet Creek trailhead. For more info call Rob at 541-563-3947 or Dave at 541-345-5531.

April 15, Saturday, 10 am

Field Trip: Mount Pisgah

Arboretum. Rhoda Love will lead a wildflower hike from 10 to noon.

April 24, Monday, 7:30 pm

Meeting: Grand Canyon Flora. Bitty Roy and Michael Wherley will show pictures of botanical treasures and rapids at the bottom of the Grand Canyon of Arizona seen while rafting down the Colorado River. Room 115, Science Building, Lane Community College, 4000 30th Ave. East, Eugene. For more info call 541-345-5531.

May 8, Monday, 4:30 pm

Field Trip: Walk the Wild Side of Mt.

Pisgah. Join us for an early evening eco-walk to observe wildflowers, wildlife and the end of day on Mt. Pisgah. Meet at northeast corner, lower, parking lot of Lane Community College 4:30 pm to carpool to SE entrance to Howard Buford Recreation Area off Ridgeway Rd. Or meet us at the SE entrance by 5 pm. (To get there from Eugene, when entering Pleasant Hill on Hwy 58 turn left/north on Ridgeway Road for 1.5 miles.) **Lane County Parks parking permit required**—see their website. Join us in this observation of Native Plant Appreciation Week. Leader: Bruce Newhouse, 541-343-2364.

May 20, Saturday, 9 am

Help Needed: Wildflower Collec-

tion. The Mt. Pisgah Arboretum Wildflower Festival will be held Sunday, May 21. Please join Emerald Chapter Saturday in collecting flowers for the show. The flowers will be displayed in the new White Oak Pavilion to help others learn about and appreciate the wonder, diversity and beauty of plant life in our area. For more information call David at 541-746-9478.

High Desert

There will be no meetings this winter. For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

April 5, Wednesday, 7:30 pm

Meeting: Wild Flower Show Plan-

ning. Let's go over collection routes and plant species for the display on Sunday. Remember to bring your glass. Set up is on Saturday at 10 am. Mike Igo Leader. The Dalles Chronicle Meeting Room, 317 E. 3rd Street, The Dalles.

April 9, Sunday, 10 am – 4 pm

Wild Flower Show: Presented at the American Legion Hall in Mosier, Oregon. Come take in the splendor of Columbia Gorge wild flowers. Learn their names and habits. Show up early and hike in the afternoon sun. Nothing beats the Gorge in the spring!

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

April 8, Saturday, 10 am – 1:30 pm

Field Trip: Madrone Wall. The Madrone Wall is an unusual Pliocene lava flow bluff overlooking the Clackamas River that supports a large and uncommon stand of mature Pacific madrone (*Arbutus menziesii*). The Madrone Wall Preservation Committee (www.savemadrone.org), dedicated to the long term preservation of the Wall, will lead a public tour with the Portland Chapter to view wildflowers at this unique geologic area. Portland members with wildflower expertise are encouraged to attend. Meet for a carpool at TriMet's Gateway/N.E. 99th Avenue Transit Center in Portland at 10 am. RSVP to Keith Daellenbach (kdaellenbach@att.net).

April 13, Thursday, 7 pm

Meeting: Nevada High Country. Jan and Dave Dobak will show and tell about the botanical wonders of the Ruby Mountains and Great Basin National Park (Wheeler Peak) in north-eastern Nevada. The trails begin at 9000' and climb higher. Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

April 15, Saturday, 8:15 am

Field Trip: Catherine Creek. Wendell Wood, naturalist and advocate for the Oregon Natural Resources Council will lead a wildflower identification hike. Meet at 8:15 am at the Gateway Transit Center or at 10 am at Catherine Creek Trailhead. Be prepared for poison oak. (Directions to Catherine Creek: Take I-84 to Hood River and cross the bridge over the Columbia River to White Salmon, WA. Continue east on Hwy 14 through Bingen. 5 miles east of Bingen turn left onto Rowland Lake Rd. In just over a mile, you'll come to the gravel roadside parking area.) RSVP John Halsell at halsell-vore@earthlink.net to receive last minutes notices of any rescheduling due to weather.

April 22, Saturday, TBA

Field Trip: Memaloose Hills. 5-6 miles, 800 ft. elevation gain. This beautiful site near Mosier, with meadows, oak woods, and basalt outcroppings, features balsamroot, lupine, paintbrush, shooting stars, and a large variety of other flowers, including the rare *Suksdorfia violacea*, which should be blooming. Contact Beth Magnus for meeting time and place: 503-226-7919, magnus@pcez.com.

April 30, Sunday, 8:30 am

Field Trip: Hood River Mountain. Cavort through meadows of yellow and violet with overlooks of Mt. Hood, pear orchards, the town of Hood River, and the Columbia River. We will meet at the SE corner of the Gateway/NE 99th Avenue Park and Ride lot and leave at 8:30. 4-5 miles, 600 feet of elevation gain. Call Susan Nelson at 503-284-1455 for details.

Siskiyou

April 8, Saturday, 10 am

Field Trip: Lower Table Rock. See the spring riot of floral color in one of southwest Oregon's floristic wonderlands. Meet at 10 am in the Lower Table Rock parking lot. Moderate 2-3 mile hike, with elevation gain of 800 ft. The Umpqua chapter will be joining us on this trip. Leader: Alex Maksymowicz, 541-482-1964

April 15, Saturday, 9 am

Field Trip: Rough and Ready Botanical Wayside (Illinois Valley). Enjoy the high diversity of serpentine plants in the Illinois Valley. Time permitting, we will also drive to the fen located next to Whiskey Creek on Wimer Road. Short, easy hikes. Meet 9 am at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46, heading toward Oregon Caves National Monument. Leaders: Karen McCullough, 541-592-4032, and Anita Seda, 541-301-2561

April 20, Thursday, 7:30 pm

Meeting: Postfire Restoration in Southwestern Oregon. Lori Kayes will share her research on early-successional vegetation dynamics and microsite preferences in postfire restoration within the Timbered Rock fire complex of the BLM Butte Falls Resource Area. Lori is a PhD student in forest science at OSU. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more info contact Celeste Coulter at 503-780-6360.

April 22, Saturday, 9 am

Field Trip: Viewpoint Mike (Lost Creek Lake). We'll follow a trail above the Rogue River to a viewpoint above Lost Creek Lake, passing through oak woodlands, mixed hardwood-conifer forest to an opening with lots of basalt rock outcrops. Along the way we'll see a good variety of spring flowers and ferns, including a couple of rarer species: Kellogg's monkeyflower and Bellinger's meadowfoam. Easy-to-moderate, 3-mile hike with 700 ft elevation gain. Meet 9 am outside BLM building

Biddle Rd, Medford (on the way to Medford Airport). Leader: Marcia Wineteer, 541-618-2494

April 29, Saturday, 9 am

Field Trip: Beatty Creek ACEC (Douglas County). Expect to see many flowers on this moss-covered bluff that was described in Volume 11 of *Kalmiopsis* (2004). Access is easy, though clambering up the face of the bluff might test your fitness; however it will definitely be worth the time and effort. Expect 1-2 miles of moderately steep, off-trail hiking. Meet at 9 am at US Forest Service Bldg, 200 NE Greenfield Rd, Grants Pass, just east of I-5, Exit 58, or 10 am in MacDonald's parking lot just west of I-5 exit 103 (45 mi north of Grants Pass). Joint field trip with the Umpqua chapter. Leaders: Alex Maksymowicz, 541-482-1964, and Norm Jensen, 541-951-4420 or normjensen@gmail.com

May 6, Saturday, 9 am

Field Trip: Star Flat (Illinois Valley). We will see unique spring-blooming serpentine plants such as California pitcher-plant, California lady's slipper, and stream orchid, along with many other more common beautiful flowers like western azalea, violets, balsamroots and fairy slippers in an intriguing serpentine fen. Easy 2-3 mile hike. Meet 9 am on right (south) side of Selma Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247

Umpqua Valley

April 1, Saturday, 8:30 am

Field Trip: North Bank Habitat Management Area. We will see early spring flowers around Oak woodlands and grasslands. Some plants to see include *Arabis koehleri koehleri*, *Lomatium hallii*, *L. utriculatum*, *Erythronium oregonum*, *Dodecatheon hendersonii*, and *Fritillaria affinis*. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg at 8:30 am. For info call Sam Friedman 541-673-0589.

April 8, Saturday, 9 am – 12 pm

Program: Landscaping with Native Plants. Ron Hatt, chapter president, and Donna Rawson, owner of Oakhill Farms Native Plant Nursery, will talk about the basics of native plant landscaping through a presentation and live plant demonstrations. This is one of a series of workshops sponsored by Healthy Homes of Myrtle Creek, an interagency grant group focused on reducing toxics in the home and in our waterways. Myrtle Creek Grange, 661 Riverside Rd, Myrtle Creek. For more information call Jim Lee at Douglas County Soil and Water Conservation District, 541-957-5061.

April 13, Thursday, 7 pm

Meeting: Vegetation Change in the Cascade-Siskiyou National Monument. Dr. Paul Hosten, ecologist for the Bureau of Land Management, will give a presentation on vegetation change in the woodlands and shrublands of southwest Oregon, with an emphasis on the Cascade-Siskiyou National Monument. Greene's mariposa lily and Gentner's fritillary are two plants of interest that will be discussed. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For more information call Sam Friedman at 541-673-0589.

April 15, Saturday, 8 am

Field Trip: Lower Table Rock. Sam Friedman will guide a trip to Lower Table Rock to see the explosion of vernal color in one of Southwestern Oregon's floristic wonderlands. Be prepared to encounter six kinds of pop-corn flower, three clovers, meadow-foams, *Meconella californica*, *Fritillaria recurva*, and hopefully *Hesperochiron californica*. Get your cameras ready! Meet in the NE corner of the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg at 8 am or at the Tri City McDonalds, Exit 103 at 8:30 am or in the Lower Table Rock parking lot, Medford at 10 am. For more information call Sam Friedman at 541-673-0589.

April 22, Saturday**Douglas County Earth Day Fair.**

Drop by and visit us at our booth at the Douglas County's 2006 Earth Day Fair. The fair affords a fun filled day of family activities, educational booths, and more while celebrating resource conservation here in Southwestern Oregon. Douglas County Fair Grounds, 2110 SW Frear, Roseburg. For information call Chris McCullough, Douglas County Waste Reduction Manager, at 541-440-4350.

April 29 – 30, Saturday & Sunday, 9 am – 5 pm

Glide Wildflower Show. Visit our booth at the Glide Wildflower Show. Glide Community Building, 20062 N. Umpqua Highway 138, Glide.

Willamette Valley

Display space available

Table and booth space is available for chapters to display information during the NPSO's 2006 annual meeting, June 9-11, on the Linfield College campus in McMinnville. The meeting is sponsored by the Cheahmill and Willamette Valley chapters.

Chapters with things to sell (e.g. wildflower or nature-oriented items, etc.) should set up their displays Friday, June 9 (before registration begins). The deadline to reserve space is May 1. Send reservations to Rob Tracey, Cheahmill Chapter president, at 8210 SW Broadmead Rd., Amity, OR 97101; 503-843-2702. When making reservations, please identify who (individuals or chapter) will need space and generally what items will be displayed.

April 8, Saturday, 10 am to Noon**Field Trip: Bush Park and Deepwood Estate Native Plant Walk.**

Nearly two dozen native wildflowers will be in bloom. This is an excellent opportunity to enjoy a close-up view of the plants and learn about them from the experts. Participants should meet at the Deepwood parking lot off of 12th Street. Free and open to the public. For information, please call 503-399-8615.

April 20, Thursday, 7 – 8:30 pm**Program: Bonesteel Park Upland Prairie Restoration.**

Tanya Beard, Marion County botanist, will talk about county efforts to restore most of the 31-acre Bonesteel Park between Salem and Aumsville to its original oak savannah habitat. Beard will explain how the restoration plan has evolved over time and highlight both difficulties and successes at the site. She'll also touch on maintenance plans for the park. Straub Environmental Learning Center, 1320 A street NE (next to Olinger Pool and near North Salem High). Free and open to the public. For info, please call 503-399-8615.

April 22, Saturday, 9:30 am**Field Trip and Work Party: Bonesteel Park.**

Tanya Beard, Marion County Botanist, will lead a tour of Bonesteel Park, highlighting restoration work done to date and ongoing needs at the site. After the tour, a work party will remove lemon balm, ivy, and blackberries from the forested area. Bring tough gloves, boots, and water. Bonesteel Park is on Aumsville Highway about 2.5 miles east of the Kuebler Blvd. and Aumsville Highway intersection. It is marked with a large sign on the north side of the road. For more information, please call 503-399-8615.

William Cusick

April 27, Thursday, 7 pm**Program: Rare and Endemic Plants of the Northwest.**

Mark Turner, professional photographer from Bellingham, Washington will present a portion of his photographic collection of rare and endemic plants. Mark photographs extensively for books and magazines. His new book is called *Wildflowers of the Pacific Northwest* and features some of those photographs. Mark has traveled to almost every corner of the Northwest to capture the best wildflower images. La Grande Forestry and Range Sciences Lab, C Avenue and Gekeler Road, La Grande at 7 pm. For information call Kent Coe at 541-962-7049.

Tualatin Hills Nature Park Native Plant Sale

April 15, Saturday, 10 am – 2 pm, 15655 SW Millikan Blvd., Beaverton

Select from a wide variety of trees, shrubs and flowering plants in all price ranges, for every spot in your garden. Check the THPRD website, www.thprd.org, for “Plants for Sale Guide.” Visit our annual Earth Day Celebration—this year’s theme is “Earth’s Recyclers”—at the same time. Activities for all ages. For more information visit the website or call 503-629-6350. Free Admission.

N.A. Rock Garden Society Presentation

Wild Orchids in Italy’s Gargano Peninsula

April 4, Tuesday, 7 pm

Last May, NPSO and NARGS members Jan and David Dobak visited the Gargano Peninsula on the Adriatic coast to see an impressive variety of ground orchids and other Mediterranean flora. Eugene Garden Club, 1645 High St., Eugene. Door prizes, refreshments after. Call Holly with questions, 541-345-9103.

North Mountain Park Nature Center Events

620 N Mountain Ave., Ashland

To get more information and to register visit <http://ashlandparks.recware.com> or call 541-488-6606.

Bear Creek Reflections: A Nature Writing Experience

April 7, submission deadline

Trees for All Seasons

April 2, Sunday, 2 – 4 pm

Spring Nature Walks in

Hald Strawberry Park

April 5, Wednesday, 4:30 – 6 pm

Field Study Volunteer Training

April 12 & 13, Wednesday &

Thursday, 9 am – 2 pm

Scotch Broom Volunteer Work Party

April 22, Saturday, 9 am – 2 pm

Restoration Work Party

April 29, Saturday, 1 – 3 pm

Mount Pisgah Arboretum Events

34901 Frank Parrish Rd. (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.

Spring Wildflower Walks

April 2, Sunday, 10 am – Noon

April 7, Friday, 10:30 am – 12:30 pm

April 15, Saturday, 1 – 3 pm

April 22, Saturday, 10 am – Noon

Eat Your Weeds!

April 1, Saturday, 10 am – 1 pm

Arbor Day Work Party

April 1, Saturday, 9 am – Noon

Spring Field Botany

April 8 & 9, Sat. & Sun., 10 am – 3 pm

Drawing Wildflowers in Graphite

April 8, Saturday, 1 – 4 pm

Gardening with Nature, Pt. 2:

Knowing and Growing Native Plants

April 8, Saturday, 1 – 4 pm,

Fly to a Flower Walk

April 9, Sunday, 1 – 3 pm

Gardening with Nature, Pt. 3:

Native Plant Propagation

April 23, Sunday, 1 – 4 pm

Medicinal Herb Walk

April 30, Sunday, Noon – 2 pm

Berry Botanic Garden Events

To register or to get more information on events at Portland’s Berry Botanic Garden, visit www.berrybot.org or call Kris at 503-636-4112x22.

New Hikes in Northwest Oregon

April 1, Saturday, 7 – 9 pm

Plant Propagation

April 12, Wednesday, 6:30 – 8:30 pm

Spring Plant Sale on Earth Day!

April 22, Saturday, 11 am – 3 pm

Montgomery Park building,
2701 NW Vaughn St., Portland. Free!

Geology and Botany of Camassia

April 27, Thursday, 1:30 – 4:30 pm

Botanical Illustration Workshop

**April 29 – 30, Saturday – Sunday,
8:30 am – 4:30 pm**

Gardening for Birds and Wildlife

May 6, Saturday, 11 am – 1 pm

40th Annual Glide Wildflower Show

April 29 & 30, 9 am - 5 pm

Glide Community Building,

20062 N. Umpqua Highway 138

Hundreds of plants from the diverse habitats of Southwestern Oregon, arranged by family and identified by botanical and common names and photographs of rare and endangered species will be on display. Botanists will be on hand to answer visitors’ questions. For more info call 541-677-3797 or visit www.glidewildflowershow.org.

North American Butterfly Association Talk

Learning the Common Lane County Butterflies

April 3, Monday, 7 pm: Food and Friends, 7:30 pm: Presentation

Co-founder of the NABA-Eugene-Springfield chapter, and author of *Finding Lane County Butterflies*, Neil Bjorklund will present an introductory class on identifying 45 common butterflies of Lane County. EWEB training room, 500 East 4th Ave., Eugene. Questions? Ellie Ryan, 541-684-8973.

New Guide for the Western Pacific Northwest

Plants of Western Oregon, Washington & British Columbia, by Eugene N. Kozloff. Portland: Timber Press, 2005. 512 pp., 710 color photos. Hardback, \$65.

Reviewed by Dave Dobak

This field guide to Pacific Northwest plants includes natives and naturalized aliens found in the area from the Coast to the Cascade crest in Oregon, Washington, and British Columbia. It promises aid to botanists in southwestern Oregon, an area neglected in field guides for decades.

This is a book of keys, beyond which there is no synopsis of descriptive information for each species, although there may be an illustration. It is like 'little' Hitchcock, not like Jepson or Peck.

Keys are designed to be "nondestructive"; that is, to the greatest extent possible, not requiring digging or dissecting the plant. The book generally achieves this goal. The key to *Allium* does not call for looking at bulb-coats. The *Penstemon* key begins, as usual, by splitting away the members of subgenus *Dasanthera* with easily-viewed hairy anthers, but then the species of the two remaining subgenera are keyed by more evident vegetative characteristics, rather than encouraging flower dismemberment to examine the manner of pollen sac opening. Minutiae are avoided when possible. The key to *Eriogonum* does not begin with the obscure observation of the perianth base—is it 'stipe-like' or not. But nutlets are still needed for the *Boraginaceae*; some details are just unavoidable.

Reading the keys, I sometimes have the feeling that Dr. Kozloff is looking over my shoulder—the dry formal text of the key gives way to "the bracts may be small, especially in *E. ovalifolium* var. *nivale*, so look carefully."

710 plants are illustrated with color photos, and many more are illustrated with line drawings by Jeanne Janish and others, previously published in Hitchcock. But the Janish collection had no illustrations of southwest Oregon plants, so this region is under-represented. Complete plant illustrations,

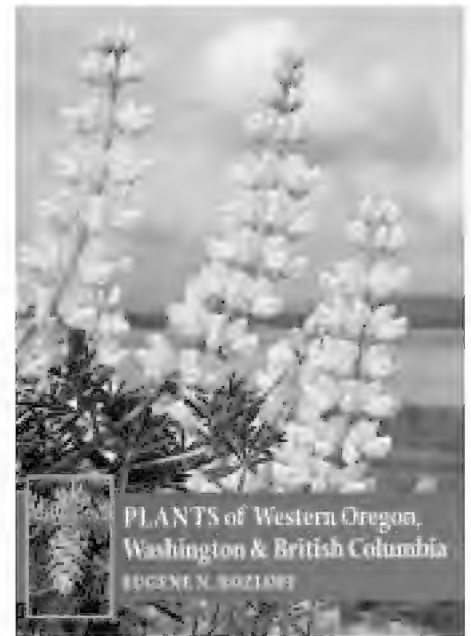
as in 'big' Hitchcock are used, not the excerpted vital fragments found in 'little' Hitchcock. This choice results in fewer taxa being illustrated, while graphic information beyond the minimal needs of keying is included. Oddly, there are pages with substantial white space where another drawing or photo could have been added. White space in a field guide is a sin that neither Hitchcock nor Jepson ever committed! I am puzzled by inclusion of color plates of *Vinca minor* and *Lunaria annua*, at the expense of excluding other, more interesting plants.

Many field guides have color photos that look pretty, but aren't very useful for identification. Not so in this book; most of the photos include foliage as well as flower images. Many of the plants are shown against a plain dark background. But many of the pictures are printed too darkly, a tendency that seems very prevalent in publishing. Among many examples: the leaves of *Eriogonum compositum* are a dark blob, and an otherwise interesting underwater photo of *Lobelia dortmanna* has nearly invisible flowers. Blue and purple flowers suffer especially.

Liliaceae is retained as a family, not fractured. The *Scrophulariaceae*, *Orobanchaceae*, *Plantaginaceae*, and *Phrymaceae* are not realigned. The lumping of *Asclepiadaceae* into *Apocynaceae*, and of *Hydrophyllaceae* into *Boraginaceae*, are not recognized. Traditionalists will be happy, but another cohort of new botanists will be schooled in old nomenclature.

The Oregon disjunct population of *Fauria crista-galli*, discovered in 1999, is mentioned. But the Oregon outlier populations of *Fritillaria camschatcensis* are not recognized, though these discoveries are at least 20 years old. Not all news travels with equal speed in the botanical jungle.

It's hard to tell what the resolution



rule is in the treatments. *Heuchera micrantha* is split into two varieties, but *Triteleia hendersonii* is not distinguished between the varieties *hendersonii* and *leachiae*.

Reviewing this book during the wintertime, field checking the keys was not an option. I recalled days in the forest when I had to resort to beginning with the key of All Dicots to identify *Circaea*, *Shepherdia*, *Eriodictyon*, or *Mentzelia*. The book passed all four of these tests with no difficulty. Many other armchair keying efforts were successful. However, a novice kneeling before *Fritillaria glauca* or *F. pudica* would be hard pressed to find *Fritillaria* in the *Liliaceae* key, having followed the branch "none of the leaves in distinct whorls."

Despite the promotional claim that "botanical coverage is complete," there are many missing taxa. *Lewisia leeana*, *Pedicularis rainierensis*, *Crepis nana*, *Collomia larsenii*, *C. mazama*, *Cimicifuga laciniata*, *Polygonum cascadenae*, *Asplenium septentrionale*, *Dodecatheon alpinum*, *D. austrofrigidum*, *Arenaria pumicola*, *Ribes watsonianum*, *R. erythrocarpum*, *R. binominatum*, *R. inermis*, *Eriogonum diclinum*, *Erigeron eatonii*, *Mimulus kelloggii*, *M. pygmaeus*, *Penstemon newberryi*, *P. cinicola*, and *Rhamnus ilicifolia* are examples. Of 29 vascular Special Status plant species in

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Endangered Species Act Endangered

by Darlene Southworth, NPSO Conservation Chair

The Endangered Species Act, passed in 1973 in the Nixon era, has protected the most rare plants and animals from extinction. Last fall the House of Representatives passed a bill that weakens protections in numerous ways. The Pombo bill, HR3824, would:

- Transfer authority for analysis of scientific information from scientists to political appointees.
- Reduce the “critical habitat” designation to sites already occupied by a species without regard for past or future habitat protection.
- Reduce safeguards against pesticides.
- Eliminate protections against deleterious impacts of federal dams and highways.
- Undercut mitigation measures.

Endangered plants in Oregon are part of our heritage, something we want to protect for future generations. They play roles in complex ecosystems, interacting with animals and other plants in often unexplored ways, and they have potential benefits to humans for medicines, food, and industrial uses.

Timeline

The Senate Environment and Public Works Committee may take action on an Endangered Species Act bill as soon as this month. It is time to let your senators know your position on the ESA.

How to learn more

The Endangered Species Coalition has an informative website, www.stopextinction.org. Many environmental organizations and scientific societies provide information on the progress of the Senate action.

NPSO State Board Meeting Highlights

by Leslie Rossmell, Secretary

At the January Board meeting, hosted by the Corvallis chapter, the Board approved the 2006 proposed budget of \$59,400, presented by Dan Luoma and Candice Guth. Candice noted the year ended \$5,500 higher than expected. Membership renewals are on track according to Clay Gautier, Membership Chair.

In 2005, Matt Blakeley-Smith launched our first annual Native Plant Appreciation Week (NPAW). The 2006 NPAW dates are April 29–May 7, to include two weekends. Matt called on chapters to decide on dates and events soon to improve planning and media coverage. The website updates will also occur earlier. Norm Jensen, webmaster, has agreed to update the NPSO site and several board members are coordinating the process.

Rhoda Love reported the John Christy occasional paper on Portland flora is expected before April 1st. Sadly, Rhoda also relayed the listing petition to the Oregon Department of Agriculture for *Sidalcea hendersonii* was denied.

A lengthy discussion of chapter and state responsibilities for administering scholarships arose due to the Willamette Valley's receipt of a \$25,000 bequest by the Rockefeller estate. The dialogue clarified NPSO's organization structure: the state and chapters are separate entities; hence, chapters which administer scholarships report to the IRS directly.

Linda Hardison continues working tirelessly to improve the Oregon Flora Project's finances, volunteer base and organization.

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the Cascade Siskiyou National Monument, 8 are not in this book. (I could list more species, rarer or less showy. There may be still more that have escaped my notice, as I have only spot checked.) Some are endemic, some are more plentiful elsewhere and rare here; but all are of interest to enthusiastic botanists. I have seen many of these plants on day hikes, or even within shouting distance of the car. They deserve to be included. Contemplating the tremendous effort that has evidently gone into authoring this book, I am puzzled by these gaps in coverage that impair its usefulness for professionals and even advanced amateurs. This book must be considered a popular wildflower guide rather than the “definitive” flora it claims to be.

For years, we botanized the Siskiyou with Peck in the pack, Abrams in the car. Later, we took Jepson in the pack, and left Peck with Abrams in the car, knowing that a few Oregon endemics would not be keyed out on the trail. Can we now leave Jepson in the car, and take Kozloff in the pack? Not until the revised second edition appears.

2006 Siskiyou Field Institute Courses

The first Naturalist Certificate program in Oregon will be offered this year. It will enhance the services that nature-based businesses in Southern Oregon offer to visitors, as well as serve those who yearn for a deeper understanding of this magnificent region.

We now have a dedicated facility that will offer programs year-round. Deer Creek Ranch, near Selma, provides an ideal environment from which the facility partners—SFI and Southern Oregon University, with participation by Humboldt State University, and Rogue Community College—can initiate research and education programs for the public.

Our catalogs will be out soon and courses can also be viewed on our website, www.thesfi.org.

fires, a natural part of the region's ecology, would periodically burn through the forest and vegetation, opening up the forest canopy. Gap formation from fire allowed sufficient light to reach the forest floor and burning the understory would remove the duff and ground cover to expose bare soil. Greater light and exposed soil are beneficial for seedling establishment in *A. vialis*. Fire suppression since settlement has allowed trees to close in and shade the forest floor. IAE is working with the Eugene District, BLM, to investigate the effects of forest thinning on *A. vialis* flowering and population dynamics.

The Study

To test the hypothesis that additional light will increase flowering and seed production in suppressed populations of *A. vialis*, forest thinning treatments are being applied to a random selection of populations, and these will be compared to populations in unmanipulated habitat.

We established test plots in 18 populations that contained a minimum of 10 *A. vialis* individuals, and that received little sunlight under a closed

canopy. We tagged and mapped every *A. vialis* individual within the plots. Since 2001 each individual has been measured for longest stem length, number of stems, number of capitula (flower heads), and herbivory. Each year we have also measured light availability above every individual using a spherical densiometer and a Solar Pathfinder. In addition, we have monitored the plant community at each site, giving special attention to any invasive species that might benefit and spread with increased light availability and disturbance. Each plot was established with the intent to collect several years of pre- and post-treatment data. In the spring of 2005 two sites received forest thinning treatment and others are scheduled to be treated in the fall of 2005 and spring of 2006.

Findings Thus Far

The data received up to 2004 suggest that most suppressed populations, though not producing many seeds or seedlings, are relatively stable or in slow decline. I was involved in collecting the 2005 data for the *A. vialis* study and was able to observe the key issues of the study. It was obvious that very few of the plants in our plots had developed or were developing capitula and those

that did were in the sunniest areas. We saw healthy, flowering plants growing near forest roadsides and edges under open canopy conditions. Browsing by deer and insects was more prevalent at some sites than others and in some plots nearly all of the *A. vialis* tops had been bitten off. Although some new plants were found this year, the number of plants that were present in past years but absent this year far exceeded their number. It was exciting to get to monitor the plants at our two treated sites. As yet, no outstanding changes had occurred. This may be because the trees were thinned only this past spring. This study's time frame is very important to fully understand the effects of forest thinning on *A. vialis* and the years to come should provide informative results.

My internship at the Institute for Applied Ecology, sponsored in part by the Native Plant Society of Oregon, has introduced me to a great number of plants that, as a newcomer to Oregon, I have had no previous experience with, let alone knowledge of their existence. More broadly, my internship has introduced me to the practical, political, and financial factors of careers in botany and conservation which I feel is just as educational as the field experience. I have worked intimately with a handful of rare, native species, which has allowed me the opportunity to go beyond the basics of identification and into their life cycles, needs, and relationships with their surrounding ecology.

Literature cited:

- Kaye, T., K. Kuykendall, and W. Messinger. 1991. *Aster vialis* Inventory, Monitoring, and Pollination Biology. Final Report Submitted to the BLM by the Oregon Department of Agriculture. October 1990. 22 pp.
- Wogen, N.S. 1998. Management Recommendations for Wayside Aster (*Aster vialis* [Bradshaw] Blake) v. 2.0 USDI BLM. 17 pp.



Blossom of Aster vialis in a sunny site.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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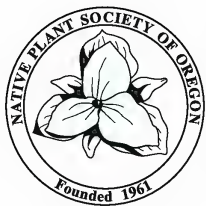
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Friends of the Oregon Flora Project FUNDRAISER CHALLENGE!!



www.oregonflora.org

To wrap up the 2005-2006 fundraising campaign, we are announcing a Last Chance Chapter Challenge! The Emerald Chapter has proposed to match contributions from its members with a donation from the Chapter treasury. We encourage each chapter to consider a similar challenge with its members—we would like to acknowledge each chapter's help in this final push for support of the Oregon Flora Project. As a new field season begins, we hope that information from the Flora Project will enhance your understanding and appreciation of our state's botanical resources. Your support is creating a valuable resource for everyone—thank you!

Please make your check payable to NPSO or to OSU Foundation, note that it is for OFP and which chapter you belong to, and send it to:

Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 5

MAY 2006

2006 ANNUAL MEETING

June 9 – 11 in McMinnville

Don't miss it!

Look for registration form and other information in March *Bulletin* or online at www.npsoregon.org

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Day Hikes for Spring Bloom in the Owyhee Desert

by Holly Nielsen

Holly received an NPSO Field Research Grant last year to conduct a plant survey of unusual geographical/botanical areas in southeast Oregon. Holly has been working on botanical projects in eastern Oregon for about eight years. Here, she shares some of the botanical treats awaiting your discovery.

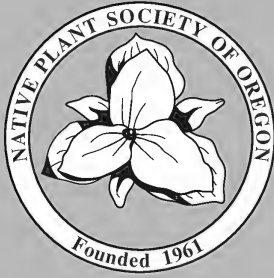
Winter is slow to give up its grip on the southeastern corner of Oregon. But even in early March the sun is noticeably warming, the snowdrops are blooming on the south side of our house, and the first flocks of migratory cranes and snow geese are making their appearance here in the Harney Basin. Spring is beginning to make capricious appearances.

With these advents, I am anticipating our ephemeral season of desert bloom. The abundant precipitation this winter will likely bring on another eye-popping year of audacious color to the usually muted landscape. I would like to describe some day hikes that will take one to incredible and unique desert landscapes in one of the most remote areas in the lower 48 states. To get to these hikes it is necessary to have a high clearance vehicle, preferably four-wheel drive, and a good map. Also, the terrain can be rough, so bring plenty of water and sturdy hiking boots. These hikes are on BLM land managed by the Vale District Office.

The first hike I will describe takes place north of Rome, Oregon in an area called Little Chalk Basin. The easiest way to get there is to turn north off of Hwy 95 five miles west of Rome onto a good gravel road. This gravel road will continue north and will soon

cross the Crooked Creek Ranch. Continue through the ranch (it is a public access road) to the fork in the road where you will see a metal gate on the right fork. Go through the gate (being sure to close it behind you) and continue onto BLM land. Now, stay *straight* on this slow and deteriorating gravel/dirt road paralleling the Owyhee River for approximately 23+ miles until you arrive at a sharp T-junction. At this junction, taking a right will lead you down into Chalk Basin, a huge botanical and geological wonderland worth days of exploring. Take a peek over the edge into the Basin from the top of this junction. However, for the day hike I will describe, turn around and go back about one mile to a small, nondescript drainage with an old water trough in it at the junction of the road. Park here. Continue on foot down the drainage. Soon it plunges into an open basin of steep chalk hills and hoodoo formations that call for exploring. In a few miles it joins the Owyhee River. This area is called Little Chalk Basin and the scenery and wildflowers are unprecedented. Walk carefully; there is a high incidence of special status plant species growing on these loose chinks. At least 20 special status plants find their home in the vicinity of these distinctive

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902

Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

May 1-8 is Native Plant Appreciation Week!

May 1-8, 2006 is NPSO's second annual Native Plant Appreciation Week (NPAW). The list of planned events includes wildflower shows, hikes, native plant sales and more! Visit our website (www.NPSOregon.org) where you can learn more about the purpose of NPAW, find a comprehensive list of events happening across the state, and see the official proclamation from Governor Kulongoski. I hope you are all able to participate in at least one of the many events planned for this week. Please take the time to share your enthusiasm for native plants with others and encourage participation by people outside of the established NPSO circle. For more information contact Matt Blakeley-Smith at mattbs@peak.org or 541-752-1091. Happy botanizing!

No Jean Davis Scholarship This Year

by Thomas Jenkins, Scholarship Committee Chair

The Willamette Valley Chapter will not be offering any scholarship awards for this coming school year. After discussions with the State Board it was decided that the Chapter would apply for separate 501(c)(3) non-profit corporation status. The Scholarship Committee thought it best to allow the principal to build while this process unfolds.

The Willamette Valley Chapter now manages two scholarships, due to a generous bequest following the death last year of a beloved founding Chapter member. The Augusta Rockafellar Memorial Scholarship's rules and award amount will be virtually the same as the existing Jean Davis Memorial Scholarship, as per Augusta's final wishes.

My apologies to any and all students who may have been anticipating a *Bulletin* announcement of the scholarship award offer. Please look for it next year, when both scholarships will be offered.



The balsamroots (Balsamorhiza deltoidea) as well as the view are outstanding at Horse Rock Ridge RNA in May. For a chance to visit this special place see the Corvallis chapter's field trip on the next page. What a great way to celebrate Native Plant Appreciation Week!

TANYA HARVEY

State

June 9 – 11, Friday – Sunday

Annual Meeting: The Willamette Valley and Cheahmill chapters will jointly host the Annual Meeting at Linfield College in McMinnville. Information and registration materials were included in the March *Bulletin* and can also be found on the NPSO website, www.NPSOregon.org.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

www.oregon-nativeplants.com

May 6, Saturday, 10 am – 3 pm*

Wildflower Show & Native Plant Sale. Cheahmill Chapter celebrates Oregon's Native Plant Appreciation Week with Cheahmill's Annual Wildflower Show & Native Plant Sale. Carnegie Room, McMinnville Public Library, 225 N. Adams Street. Identified and labeled specimens of 'locally-collected' native flowers, shrubs and trees will be on display in the Carnegie Room. NPSO members will provide informational handouts and answer questions. The Yamhill County Master Gardener's native plant photo display will be set up. Tours of the Library's native plant garden will be available on request. A variety of reasonably-priced native annuals, perennials, shrubs and trees will be included in the plant sale inventory. For info contact Susan Williams at helgesusan@comcast.net.

May 25, Thursday, 7 pm

Work Meeting: Join us for light refreshments and conversation. Members will do tasks associated with our co-sponsorship responsibilities for the upcoming annual NPSO meeting in June. We will also be discussing ideas and goals for Cheahmill Chapter's

*Special Native Plant Appreciation Week Event

06/07 year. The board needs your assistance and your input. Carnegie Room, McMinnville Public Library. For info contact Susan Williams at helgesusan@comcast.net.

Corvallis

May 6, Saturday, 10 am*

Field Trip: Horse Rock Ridge Research Natural Area. Come celebrate Native Plant Appreciation Week the

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

right way! Ann Willyard will be leading this amazing hike at one of the most diverse locations anywhere within an hour drive of Corvallis. We will see many beautiful and rare plants including a very showy form of *Erigeron compositus*, *Dodecatheon pulchellum*, *Erythronium oregonum* and *Orobanch uniflora*. 3–4-mile hike on very uneven and rocky terrain. Wear sturdy boots and bring lunch and water. Expect to return around 4 pm. Due to the sensitive nature of the area, participants will be limited to 10. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 9:50 am. For more information and to register, contact John Syring at 541-752-0414.

May 7, Sunday, 11 am – 5 pm*

Spring Garden Sale and Native Plant Appreciation Celebration. Come celebrate Native Plant Appreciation week by purchasing a native or two for your own yard! The Corvallis Chapter will have a booth at the spring garden sale, along with numerous other garden supply and garden craft vendors. Purchase some really inexpensive natives to start your own native garden. We are also looking for volunteers to help staff our booth. The garden sale is held in front of the Corvallis Art Center, across from the Public Library. Cost is free. For more information contact John Syring at 541-752-0414.

May 8, Monday, 7:30 pm

Meeting: A Brief Photo Essay of Hawaiian Endemic Flowering Plant Genera. Dr. Gerald Carr, formerly a professor of plant systematics at the University of Hawaii, will share his many years of Hawaiian plant research. Dr. Carr is now a resident of Oregon and will be taking an active role in the Oregon Flora Project. This is a talk not to be missed, and will be the final talk before we start again in October. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

Emerald

May 8, Monday, 4:30 pm*

Field Trip: Walk the Wild Side of Mt. Pisgah. Join us for an early evening eco-walk to observe wildflowers, wildlife and the end of day on Mt. Pisgah. Meet at northeast corner, lower parking lot of Lane Community College at 4:30 pm to carpool to SE entrance to Howard Buford Recreation Area off Ridgeway Rd. Or meet us at the SE entrance by 5 pm. (To get there from Eugene, when entering Pleasant Hill on Hwy 58 turn left/north on Ridgeway Road for 1.5 miles.) **Lane County Parks parking permit required**—see their website. Join us in this observation of Native Plant Appreciation Week. Leader: Bruce Newhouse, 541-343-2364.

May 20, Saturday, 9 am

Help Needed: Wildflower Collection. The Mt. Pisgah Arboretum Wildflower Festival will be held Sunday, May 21. Please join Emerald Chapter Saturday in collecting flowers for the show. The flowers will be displayed in the new White Oak Pavilion to help others learn about and appreciate the wonder, diversity and beauty of plant life in our area. For more information call David at 541-746-9478.

Oregon Flora Project Challenge!

Emerald Chapter will match all donations to the Oregon Flora Project up to \$1,200. Contribute now and double your donation! Send your check to: Oregon Flora Project, PO Box 402, Corvallis, OR 97339-0402. Write "Emerald Challenge" on the subject line to double your contribution.

High Desert

For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

May 11, Thursday, 7:30pm.

Meeting: Columbia Gorge Scenic Area. Chapter member Judy Davis will present a program on the Scenic area, celebrating its 20-year anniversary this year. Judy is the Wasco County representative on the Columbia Gorge Scenic Area Commission. Please note the new meeting date and new meeting place at the Commodore Hotel, 312 Court Street, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

May 11, Thursday, 7pm

Meeting: Rare and Endemic Plants of the Northwest! Come join Phyllis Gustafson, wildflower enthusiast extraordinaire and co-author (with Mark Turner) of the new publication *Wildflowers of the Pacific Northwest*, in a riveting slide show of some rare and endemic plants of the PNW region including the Olympic Mountains, Steens Mountain, the Klamath/Siskiyou Mountains, and the Columbia Plateau. We'll see a selection of these rare beauties, including *Epilobium siskiyouense* (Siskiyou willowherb) and a few other plants that didn't make it into her book. Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

May 28, Sunday, 9 am

Field Trip: Tualatin Hills Nature Park. Join trip leader Susan Nelson for a close hand look at a habitat mosaic in our own back yard. We will pass through prairie, woods, and wetland habitats to see three-leafed anemone, corn lily, calypso orchid, western trumpet honeysuckle, and sessile and western trillium on a 3.5-mile flat trail. Bring binoculars, water, and a lunch.

We will meet at the Merlo/ SW 158th light rail station and leave promptly at 9 am. If you need to drive, park at the Elmonica/ SW 17th light rail station as there is no parking at Merlo. Take MAX one stop in the direction of Portland to reach Merlo. Call Susan Nelson at 503-284-1455 for details.

June 5, Monday, 9 am to 4 pm

Field Trip: Angel's Rest. Enjoy a rare weekday wildflower-filled walk to a stunning viewpoint. The hike is about 5.5 miles round trip with 1500 feet of elevation gain. We should see Oregon iris (*Iris tenax*), Columbia lily (*Lilium columbianum*), and maybe Western corydalis (*Corydalis scouleri*), plus lots of others. Contact leader Don Jacobson for car pool location, 503-235-6234, donj@dslnorthwest.net.

Siskiyou

May 6, Saturday, 9 am*

Field Trip: Star Flat (Illinois Valley). We will see unique spring-blooming serpentine plants such as California pitcher plant, California lady's slipper, and stream orchid, along with many other more common but beautiful flowers like western azalea, violets, balsamroots, fairy slippers in an intriguing serpentine fen. Easy 2–3-mile hike. Meet 9 am on right (south) side of Selma Market parking lot in Selma, 20 mi south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247.

Native Plant Brochure & Seeds

Brochures describing features and benefits of native plants with small packet of native wildflower seeds available to the public at the Northwest Nature Shop (Ashland) and various local nurseries. For more information or to request brochures, contact Armand Rebeschke at 541-482-2141.

May 13, Saturday, 9 am

Field Trip: Mud Springs Trail (Illinois Valley). The Mud Springs trail has a large variety of serpentine plants, some endemic to the area. The trail goes through Jeffrey pine woodland, rock outcrops, a *Darlingtonia* fen, and

the Rough and Ready Creek flood plain. A portion of the area was burned by the Biscuit Fire three years ago. It will be interesting to discover how this fire-adapted ecosystem is recovering. The hike is an easy 2–3 miles, but it does have several narrow spots with a steep incline down to Rough & Ready Creek. Meet at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46. Leaders: Armand Rebeschke, 541-618-2269, and Anita Seda, 541-301-2561.

May 18, Thursday, 7:30 pm

Meeting: Rare and Endemic Plants of the Pacific Northwest. Phyllis Gustafson, co-author of *Wildflowers of the Pacific Northwest*, will offer us a glimpse of the rare and endemic plants found only in the Pacific Northwest. We'll explore the unique habitats of the Klamath/Siskiyou Mountains, Olympic Mountains, Steens Mountains, and the Columbia River Plateau to appreciate how each region sustains its own complex assemblage of endemics. Siskiyou willowherb (*Epilobium siskiyouense*) will be just one of the rare beauties we will have the opportunity to admire. Room 171 of the SOU Science Building, Ashland. Free and open to the public. For more info, contact Celeste Coulter, 503-780-6360.

May 20, Saturday, 9 am

Field Trip: Limpy Creek Botanical Area (near Grants Pass). Visit wet and dry serpentine habitats and a riparian area in this botanical hot spot. Always lots to see here. Easy 1–2-mile walk. Meet 9 am at US Forest Service Bldg, 200 NE Greenfield Rd, Grants Pass,

just north of Exit 58 off I-5, east side of freeway. Leader: Alex Maksymowicz, 541-482-1964

May 27, Saturday, 9 am

Field Trip: Low Divide Road to N. Fork Smith River (Coast). We will look at the serpentine plant associations along Low Divide Road, just south of the Oregon-California border. Mostly a driving trip. Meet 9 am in the town of Smith River on the east side of Hwy 101 at the beginning of Low Divide (Rowdy Creek) Rd. Leaders: Veva Stansell, 541-247-7153, and Norm Jensen, 541-951-4420 or normjensen@gmail.com.

June 3, Saturday, 9 am

Field Trip: Grizzly Peak (Dead Indian Memorial Rd, east of Ashland). Early spring flowers: Klamath fawn lily, yellow bells, small lewisias, lomatiums. Easy-to-moderate 5-mile round trip hike, 600-ft elevation gain (5300–5900 ft). Meet behind Oil Stop on Ashland St, just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mi west of I-5, exit 14. Leader: Jim Duncan, 541-482-7629.

Umpqua Valley

May 6, Saturday, 7 am*

Field Trip: Star Flat (Illinois Valley). Join Siskiyou Chapter on an exciting field trip to see unique spring blooming serpentine plants such as California pitcher-plant, California lady's slipper and stream orchid, along with many other beautiful flowers like western azalea, violets, balsamroots, fairy

slippers in an intriguing serpentine fen. Easy 2–3-mile hike. Meet at northeast corner of Douglas Courthouse parking lot to carpool from Roseburg area. Alternate meeting area for carpooling Riddle exit McDonalds 7:30 am or meet at 9 am on right (south) side of Selma Market parking lot in Selma, 20 mi. south of Grants Pass on Hwy 199.

May 11, Thursday, 7 pm

Meeting: Whitebark Pine. Dr. Frank Lang, Professor Emeritus of Biology at Southern Oregon University, will present a talk about whitebark pine which has a restricted distribution in Southern Oregon including the Crater Lake area and Mt. Ashland. Whitebark pine survives at high elevations too harsh for other trees and is considered a keystone species in the timberline community. Currently the whitebark pine community is under attack by a non-native fungus, the white pine blister rust (*Cronartium ribicola*). Dr. Lang is also a regular contributor to Nature Notes for Jefferson Public Radio. Mercy Community Education Center, 2459 Stewart Parkway, Roseburg. For more info call Sam Friedman, 541-673-0589.

May 13, Saturday, 8:30 am

Field Trip: Limpy Rock. Sam Friedman, FWS Botanist will lead a short steep hike to the Limpy Rock/Panther Leap area to explore the burned areas at Limpy Rock to evaluate Umpqua kalmiopsis. We will also visit a small population of clustered lady slipper along the way. It will be interesting to see how this area is recovering from previous fire events and a major burn in 2002. Short, steep, uphill hike with some poison oak. Meet at northeast corner of Douglas Courthouse parking lot, 1036 SE Douglas Ave., Roseburg. Alternate meeting area for carpooling, Riddle exit McDonalds 9 am. For more information call Sam at 541-673-0589.

May 20, Saturday, 8:30 am

Field Trip: Callahan Ridge. Join Forest Service botanist Chris Rusch, on an expedition to view the serpentine endemic Umpqua mariposa lily (*Calochortus umpquaensis*) and a population

25th Annual Shady Cove Wildflower Show

May 6 – 7, Saturday – Sunday, 10 – 4 pm

Shady Cove School Multipurpose Bldg., Cleveland St. Shady Cove

Celebrate Native Plant Appreciation Week at the annual Shady Cove/Trail Wildflower Show just 20 miles north of Medford. Over 200 live wildflower specimens will be displayed. All species are identified by common and botanical names and a botanist and master gardener will be available to answer questions. Also a plant sale, silent auction and a raffle along with a boutique and refreshments. Wheelchair access. Admission by donation. Proceeds go to Jackson County Fire District 4. Sponsored by the Wildflower Association of Shady Cove-Trail. For more information contact Fran Hazle at 541-878-3576 or oregonfran@yahoo.com.

of the rare Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*). Short easy stroll. Meet at northeast corner of Douglas Courthouse parking lot, 1036 SE Douglas Ave, Roseburg, 8:30 am or at Riddle exit McDonalds 9 am. For info call Sam Friedman 541-673-0589.

May 27, Saturday, 8:30 am

Field Trip: Cedar Springs Mountain. Join Forest Service botanist Dana York, on a trip to see the northernmost location of *Lewisia leana* at Cedar Springs Mountain in southern Douglas County among a host of other exciting colorful serpentine endemics. Short, steep, up and down, meandering hike. Meet at northeast corner of Douglas Courthouse parking lot, 1036 SE Douglas Ave, Roseburg. Alternate meeting area for carpooling, Riddle exit McDonalds at 9 am. For more information, call Sam Friedman 541-673-0589.

Willamette Valley

May 13 & 14, Saturday & Sunday, 10 am – 5 pm

Program: Mother's Day Birding and Wildflower Weekend. Wildflower walks led by NPSO members will be offered throughout the two days, starting from the Historic South Falls Lodge. Bird walks, presentations, and photo hikes will also be available. View the work of a number of nature artists, see a wildflower display or participate in crafts such as creating wildflower, birding and garden journals or building a bird nesting box. The Friends of Silver Falls will be selling wildflowers. For a full schedule of activities, registration form and overnight options at the Silver Falls Conference Center, contact Lori Webb at 503-874-0201.

May 16, Tuesday, 7 pm

Field Trip: Bush Park Walk. Chapter president John Savage will lead a walk to identify wildflowers in Bush Park and the Deepwood Estate. Participants should meet at the Mission Street parking lot near the soapbox derby track at Bush Park. Free and open to the public. For more information, please call 503-399-8615.

May 18, Thursday, 7 – 8:30 pm

Program: Beautiful Invaders—Ornamental Noxious Weeds of Oregon.

Beth Myers-Shenai, noxious weed management expert with the Oregon Department of Agriculture, will give a talk on Oregon's noxious weed problem and offer information on the identification and impacts of ornamental weeds. Straub Environmental Learning Center, 1320 A Street NE in Salem (next to Olinger Pool, near North Salem High School). For more information, please call 503-399-8615.

May 27-29, Sat. – Monday, 8 am

Field Trip: Western Siskiyou. Plant expert Wilbur Bluhm of the Willamette Valley Chapter will lead his annual Memorial Day weekend field trip at sites near the Siskiyou. Each field trip is independent of those of the other days, enabling a person to participate in field trips for one, two or all three days. The all-day field trips will start each morning at 8 am at the Gold Beach Motel 6. You must arrange for your own lodging. For more information, call Wilbur Bluhm at 503-393-2934. Free and open to the public.

Day Hikes in the Owyhee Desert

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chalks. A few that you are likely to encounter include: the milkvetches *Astragalus calycosus* and *Astragalus tetrapterus*, several species of thick-stemmed hairy cabbage, genus *Caulanthus*, and carpets of unusual annuals such as *Chaenacis cusickii*, *Eatonella nivea*, *Phacelia gymnoclada*, and Torrey's desert dandelion (*Malacothrix torreyi*). The best time to go is the end of May. The flowers are beginning to peak and the moisture of spring intensifies the bright banded hues of the chalk formations. It is best to contact the Vale District BLM regarding road conditions, especially concerning standing water.

The second hike I will describe begins at the Anderson Crossing of the West Little Owyhee River near the tri-corners where Idaho, Oregon, and

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June 3, Saturday, 7 am to 6 pm

Field Trip: Dog Mountain. Participants in this all-day hike will have fun identifying and viewing wildflowers on Dog Mountain located in the Columbia Gorge on the Washington side. Chapter President John Savage will lead the hike. This is a difficult hike with a 3000' elevation gain, but the flowers are well worth it. For more information or to register, please call 503-399-8615. Free and open to the public.

William Cusick

May 13, Saturday, 9 am

Field Trip: Blue Mountain Crossing Park. We will focus on finding the plants described by the Lewis and Clark expedition. Meet in front of Max Square in La Grande at 9 am to car pool to the park. *Fritillaria atropurpurea*, *Allium tolmiei*, *Camassia quamash*, and several *Balsamorhiza* species are expected. Bring a lunch and water if you want to stay past noon. Moderate hiking involved. For more information call Kent Coe at 541-962-7049.

West Eugene Wetlands Celebration

May is designated as American Wetlands Month across America, and it presents an ideal opportunity to enjoy the great outdoors and celebrate at the West Eugene Wetlands. Educational and recreational activities include: bird and butterfly walks, up close looks at wildflowers, a presentation on otters, and a photography workshop and wetland photography exhibit. These activities will be hosted by local wetland experts and enthusiasts. For those that prefer unstructured opportunities, there are numerous trails and interpretive sites to explore. For details contact Holly McRae, Environmental Education Coordinator for the Willamette Resource Education Network at 541-683-6494 or visit www.wewetlands.org.

Berry Botanic Garden Events

To register or to get more information on events at Portland's Berry Botanic Garden, visit www.berrybot.org or call Kris at 503-636-4112x22.

Gardening for Birds and Wildlife May 6, Saturday, 11 am – 1 pm

Blooms in the Desert May 10, Wednesday, 7 – 8:30 pm

Ginny Maffitt will show pictures of extravagant wild flowers in the Southern California high desert taken by 6 photographers during the June 2005 annual Penstemon Society trip. \$6.

Mt. Pisgah Events

34901 Frank Parrish Rd. (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.

Gardening for Wildlife Habitat May 7, Sunday, 1 – 4 pm

Join Evelyn Hess, of Lorane Hills Farm and Nursery, and learn how to incorporate food sources, water and shelter into your garden to meet the needs of microorganisms, insects, birds, and reptiles. \$20. Pre-registration required.

Wildflower Festival & Plant Sale May 21, Sunday, 10 am – 4 pm

Enjoy a display of hundreds of wildflowers and educational exhibits prepared by NPSO and Lane Community College. Other activities include a huge plant sale, children's activities, music, guided walks, and food and craft vendors. Suggested donation: \$5 per person or \$10 per family. Members free!

PlantNative's Spring Native Plant Sale

Plant pick-up: May 13, Saturday, 9am-noon
Pre-order deadline: May 9, Tuesday, midnight

This is a pre-order plant sale, although there will be some extra plants for your perusal. This sale is being put on in collaboration with Livable Place. Sale details, including plant availability lists and plant pick-up address, can be found at: www.plantnative.com/plantsale_main.htm or contact Steve Adamson at 503-248-0104 or inbox@plantnative.com

Audubon's Native Plant Festival And Sale

May 20 & 21, Saturday & Sunday, 10 am – 4 pm

Audubon Society of Portland's 10th annual Native Plant Festival and Sale, featuring over 100 native species, will take place at 5151 NW Cornell Road, Portland. The event is under cover in case of rain. Knowledgeable volunteers and staff will be on hand to answer gardening questions. Proceeds benefit our Nature Sanctuaries.

Institute of Contemporary Ethnobotany

Ethno-Ecology Field Trip May 7, Sunday, 9 am

This all-day field trip will introduce basic botanical concepts, identification, ecology, edibility and medicinal value of our native flora. \$15-\$45. Meet at Red Barn Natural Grocery, 357 Van Buren St. Trip will require carpool drivers—please call ahead to coordinate.

Siskiyou Field Institute Courses

To learn more about our courses or to reserve your place, visit our website, www.thesfi.org, or call 541-592-3777.

Birds and Blooms Weekend May 20 & 21, Cave Junction, OR

- Serpentine Plant Ecology, Tom Kaye
- Wild Edible Plants and Plant Uses of the Siskiyou, Janet Yoder
- Wildflowers and Plants of the Illinois River Canyon, Wayne Rolle

Illustrating Klamath River Wildflowers

June 1 – 4, Ashland, OR

Sketch and paint wildflowers with professional illustrator Dr. Linda Ann Vorobik at beautiful Sandy Bar Ranch.

Botanical Identification Workshop May 28, Sunday, 12 – 6 pm

Learn plant anatomy, family characteristics, and how to use a botanical key. The Strawbale at Maitreya Ecovillage, Broadway & Almaden, Eugene. \$25–50.

Botanical Identification Field Trip May 29, Monday (Memorial Day), 8 am – 7:30 pm

Prerequisite: Botanical Identification Workshop (or prior experience). Emphasis on family recognition and using botanical keys. We will cover the ecology, edibility, and medicinal value of our native flora. \$35–80.

For all events, bring lunch/dinner, *Flora of the Pacific Northwest* by Hitchcock and Cronquist, and hand lens. For more info or to sign up, contact Tobias Policha at 541-513-8263 or contemporaryethnobotany@yahoo.com.

Native Plant Nursery Open House & Sale

May 6, Saturday, 10 am – 1 pm

The Friends of Buford Park & Mt. Pisgah will give tours of the growing nursery and its new greenhouse and seed processing facilities, and offer refreshments and sales of native seeds and plants (from wildflowers and grasses to shrubs and trees). The Native Plant Nursery supplies plants and seed for restoration projects at the park and beyond. To get there, follow Seavey Loop Rd. (Eugene) to Buford Park, cross the bridge, turn left and follow the signs to the nursery. For more information about this free event: 541-344-8350 or www.bufordpark.org.

Candidates for NPSO Board Positions

The NPSO Nominating Committee offers the following list of candidates for the State offices. Ballots must be returned to the Ballot Counting Committee postmarked by June 1, 2006. Newly elected individuals assume office during the Annual Meeting.

President:

David Lebo (Portland) is former president of the Klamath Basin NPSO chapter and has given presentations on lichens, fungi, and bryophytes to the Portland and Siskiyou NPSO chapters. He earned an M.S. in forest ecology from the University of Washington and currently works as the westside zone botanist for the Mt. Hood National Forest. David has taught courses in botany and ecology at the Oregon Institute of Technology, Marylhurst University, and the Siskiyou Field Institute, and has been hiking, climbing, and botanizing throughout the Pacific Northwest for 25 years.

Vice-President:

Dan Luoma (Corvallis) has been a member of NPSO since about 1980. In the past he has been both State President and Vice-president. His academic training is in ecological plant geography. Dan is a professor, specializing in forest mycology, with the Department of Forest Science at Oregon State University. His teaching includes a course on forest mycology offered through the Siskiyou Field Institute and Southern Oregon University. Primarily, he pursues research on the diversity of ectomycorrhizal fungi in the forests of the Pacific Northwest. Dan was selected as a Distinguished Alumnus for 2004 by Lane Community College, Eugene, Oregon. The award recognizes its recipients for achievements in their profession and for their service to the community. Dan was chosen, in part, due to his long record of service to NPSO.

Secretary:

Harold Zald (Corvallis) has been a member of the Corvallis Chapter since 2003. Harold received his B.S. and M.S. in Resource Ecology and Management from the University of Michigan, and is a Ph.D. student in the Forest Science Department at Oregon State University. Harold has previously

worked as a field botanist for the U.S. Forest Service in Washington and Michigan, and was recently the project coordinator for a restoration ecology study in mixed-conifer forests of the southern Sierra Nevada, California. He is currently working on a project examining the spatial dynamics of tree line and subalpine vegetation in the Oregon Cascades and received NPSO's Leighton Ho Memorial Field Research Grant to assist with that effort.

Treasurer:

Candice Guth (Portland) is the Finance Director for Oregon Natural Resources Council. She is a CPA in Oregon and has worked for non-profits since 1990. Candice has been State Treasurer of NPSO for four years. Studying native plants and birds are her hobbies.

Directors-at-large:

Matt Gordon (Portland) received a BS degree in Ceramic Engineering from the University of Washington in 1987 and later pursued his interest in the natural world by obtaining an MS degree in Biology from Portland State University in 2003. Currently he is working on a project that uses DNA technology to monitor a rare fungus in its native habitat in Oregon. He is concerned with the conservation of Oregon's botanical and fungal treasures for future generations.

Leslie Gottlieb (Ashland) retired from the University of California, Davis in 2004, after which he and his wife moved to Ashland. At Davis, he was a Professor of Genetics and on the faculty for 35 years. His research covered a broad array of subjects including plant genetics, plant speciation, and evolutionary biology. Many of his studies dealt with rare and endangered species, particularly in the genera *Clarkia* and *Stephanomeria*. He authored the successful petition to the

Federal Government to list *Stephanomeria malheurensis*, known only from a single locality in eastern Oregon, as a rare and endangered species. Work from his Master's degree (Oregon State University) demonstrated that a number of manzanitas (*Arctostaphylos*) in southwestern Oregon were simple hybrids and not species as thought at the time. His Ph.D. work (Univ. of Michigan, 1969) examined patterns of diversity and mechanisms of speciation in *Stephanomeria*.

Now back in Oregon, he looks forward to hiking and learning about plants throughout the state, and to helping NPSO increase public interest in our wonderful and diverse flora.

Ron Hatt (Myrtle Creek) is the outgoing President of the Umpqua Chapter. Ron has been instrumental in gaining visibility for NPSO in Douglas County and in growing the membership of the chapter. He also led the chapter's efforts in hosting last year's NPSO annual meeting. Ron will use his enthusiasm and experience to gain and maintain NPSO membership state-wide.

Frances Stilwell (Corvallis) has been Corvallis Chapter secretary for three years, a member for ten. Her main interest is publicizing native plants. She received her BA in Botany in 1963 and MS in Botany-Biophysics in 1967 from University of Cincinnati. She organized displays in businesses for Native Plant Appreciation Weeks 2005-6. She wrote and illustrated the book, *Come Walk Through Spring with Bessie Gragg Murphy and her Willamette Valley Wildflowers*, and exhibited fifty paintings of native plants across Oregon for four months at the Four Rivers Cultural Center in Ontario.

New Picture-Packed Field Guide for the PNW

Wildflowers of the Pacific Northwest by Mark Turner and Phyllis Gustafson, Portland: Timber Press, 2006. ISBN 088192-745-7. 512 pp., 1248 color photos.

reviewed by Melody Clarkson, *Emerald Chapter*

For nature enthusiasts who love to know the names of the wildflowers they encounter from southern British Columbia to the Klamath-Siskiyou region of Southern Oregon and Northern California, there's a new field guide out. Hitchcock and Jepson will still be the definitive, comprehensive guides, but botanists and natural history buffs alike will want a copy of *Wildflowers of the Pacific Northwest* (WPN) with photographs by Mark Turner and plant descriptions by Phyllis Gustafson. It offers a thorough, one-book coverage of the areas most of us hike and drive, including the diverse Eastside and often-ignored Siskiyou-Klamath regions.

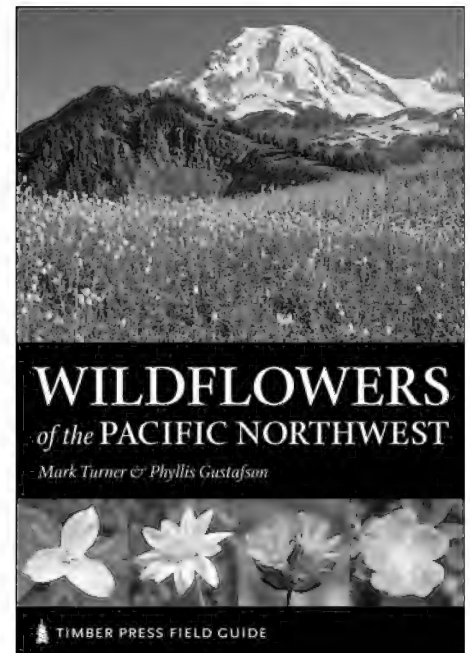
WPN describes 1220 perennial and annual species, including some shrubs with significant flowers. For most entries Phyllis details flower and leaf size and shape, as well as color irregularities, flowering season, specific habitat and native status. Both a photograph of the flower and a map showing the growing region by county accompany each entry. Confronted with selecting from the abundance of wildflowers in the geographic region covered, the authors state that they "chose the showier species at the expense of plants with small and nearly insignificant flowers."

Before the individual flower entries (three to a page) begin, pages 13 through 56 offer more than the usual in the way of introductory information. Besides chapters on "How to Use This Book" and "Exploring for Wildflowers," the authors give must-read descriptions in the chapter, "Climate, Geography, and Plant Habitats." The numerous landscape pictures in this section are stunning! It's hard not to be impressed with the photographs throughout the book, fine in detail and accurate in color, a paean to Mark's botanical knowledge, photographic expertise and perhaps, most importantly, his tenacity.

All field guides come with inherent organizational dilemmas. Mark and Phyllis have chosen to organize their wildflower selections by color, then flower petals, and finally alphabetically by family and genus within each flower petal category. Many of us amateur botanizers have learned to identify some families and look for characteristics of familiar genera when identifying flowers. Looking first at color may seem a little backwards, but isn't that how we first describe the flower to our botanist friends: "Oh, I saw this incredible blue flower today?"

Color selection quickly narrows the search for both the inveterate botanizer as well as the first time enthusiast. Most will switch quickly from the blue to the red section when unsure of where to start with a violet flower and efficiently will locate the family within the color through the help of guide words on the edge of all pages. These include categories such as "3 or 6 petals," "5 symmetrical petals (ovary superior)," as well as "many petals" and "no obvious petals," helping some to a greater awareness of plant families. For the amateur who has read a little about sepals and tepals and ray flowers and disk flowers, this could first offer some confusion, but reading the section on plant families in the beginning of the field guide should clarify the usage of petals for even the beginning botanizer. At the bottom of a page, the user will find additional pages referenced for any differently colored members in a genus, a great feature for those who like to see all of the species in a genus. The detailed information suggests that Phyllis deserves kudos for her knowledge, her research and her persistence as well.

In my backyard I actively used the guidebook to see how easily I could identify some familiar wildflowers. *Cardamine nuttallii* var. *nuttallii* was easy with its pink color and four petals. (And without the book I would have



continued to call it *C. pulcherrima*.) I had little trouble identifying several other local wildflowers. However, using the guide as a reference, perhaps to learn a flower's color, requires the use of the index. Both the Latin and selected common names appear together alphabetically. The common names are alphabetized by the first letter of the entire name. This causes considerable frustration at times. For example: Whether my bluebells are a *Mertensia* or a *Campanula*, I won't find "bluebells" as an entry in the index unless I look for "broadleaf bluebells" (*M. ciliata*) or "Scouler's bluebells" (*C. scouleri*). The same is true for forget-me-nots. One must know "meadow forget-me-not" (*Hackelia micrantha*) or "small flowered forget-me-not" (*Myosotis laxa*).

A number of NPSO members have discussed the fact that the book uses the term "saprophytic" incorrectly for both Indian pipe and pine-drops, and the WPN's description of the former mentions that the phantom orchid also is considered saprophytic. Recent research points out that these species are mycoheterotrophic, not saprophytic (living on decaying matter). The term mycoheterotrophic refers to species which lack chlorophyll and are epiparasitic in nature—they obtain carbon indirectly from their green host plants via connections with mycorrhizal fungi.

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Remembering John Reynolds

by Vernon Marttala, of Portland Oregon, and Carol Wilson, currently of the Rancho Santa Ana Botanic Garden, who were members of the Friends of the Columbia River Herbarium with John Reynolds. The following remembrance is primarily of NPSO member John Reynold's second career as a botanist after he retired as a physician specializing in neonatology.

John Reynolds was educated in Portland, receiving a BA from Reed College, where his father taught, and an MD from the University of Oregon Medical School in 1956. During the next four decades he did research in pediatric endocrinology in Minnesota and Sweden and eventually headed infant intensive care units at the University of Minnesota Hospitals and at OHSU.

After retiring in 1997, he pursued his love of plants, taking classes in botany, mastering the subject well enough that he ended up helping in advanced classes taught by Carol Wilson and Clyde Calvin and becoming deeply involved in the herbarium at Portland State University. From its inception he was the chairman of the Friends of the Columbia River Herbarium, formed to advance the PSU Herbarium, and a primary booster of the herbarium, as well as one of its most assiduous volunteers. John Reynolds was devoted to this herbarium, to the idea of herbaria, repositories of much fundamental plant knowledge; he visited other herbaria to learn how to improve Portland State's Herbarium. He shared his knowledge about herbaria, for example, giving a presentation at the Berry Botanic Garden in October, 2001 at a series of lectures connected with the Lewis and Clark Bicentennial; he talked about herbaria: what they are, what they do and why they are important.

John was dedicated to the appreciation and preservation of nature, especially Oregon's. He looked forward each year to spring wildflowers in the Gorge, observing which flowers were earlier or later or more or less abundant than was typical. John's knowledge of the relatively less known flora of the northern Oregon coast, where he also spent much time botanizing (from Seaside to the Columbia River, especially

in the Necanicum estuary and the Gearhart bog), and the challenging grass family was particularly impressive. Always the educator, John enjoyed introducing the novice or visitor to wildflower areas and their resident plants. Keenly aware of the unique botanical and scenic resources of the Columbia River Gorge and the north coast of Oregon, he was active in efforts to preserve these national assets; he was a member of the boards of the North Coast Land Conservancy and Friends of the Columbia River Gorge.

Carol Wilson's graduate student Lisa mentioned his role as a mentor to young botanists as well. John gently and not so gently but with humor prodded her into quitting smoking—an action that she values [nearly] as much as encouraging her in her research.

John died Jan. 19th from cancer. His friends, and the beneficiaries of his interests, our plants and their study, herbaria, and land conservation, will miss him; he was a gentle-man (both senses) and a scholar. He is survived by his wife, Phyllis, his brother Richard of Yachats, two nieces and a nephew.

Book Review

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Coralroots also fall into this category though the guide does not mention this characteristic or their lack of green leaves. The WPN does say that *C. maculata* has "bractlike" leaves but doesn't mention that these leaves retain the stem color. This possibly could cause some confusion. These discrepancies, however, are minute in comparison to the knowledge and guidance the book offers. It belongs in all of our backpacks or automobiles. Thank-you Phyllis and Mark.

Day Hikes in the Owyhee Desert

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Nevada seamlessly join amidst a sea of sagebrush. From Burns Junction at the junction of Hwy 78 and Hwy 95, continue south towards McDermitt. You will cross Blue Mountain Summit. Approximately 10 miles south of this summit, look for a junction with a signed gravel BLM road going east (Oregon Canyon Road to the west). Turn left, east, here and continue climbing to Jackson Summit. The road descends for 10 miles or so coming to a signed junction. Take the right fork. This is a good, freshly graded BLM road. The challenge here lies in two creek crossings. They are worth checking before entering. The first crossing is at Big Antelope Creek. You will arrive at the second after descending into the canyon of the West Little Owyhee River at Anderson Crossing. Park and camp primitively, if desired, off to the left just after crossing. The river here is small and there are some beautiful pools for a dip just downstream from the camping area. The landscape is open with unusual rhyolite formations where many beautiful plant species unique to this area thrive. Hike downriver through narrow Louse Canyon or upriver through a beautiful open canyon. Floral highlights here include many species of the spring-blooming genus *Erigeron*, the daisy-like desert fleabane. *Erigeron latus* is common here and has a very interesting disjunct distribution. Populations of *Collomia renacta* have recently been discovered here and nearby after being "lost" from the flora of Oregon for many years. And notice the unique *Ivesia shockleyi* and *I. baileyi* growing from cracks and crevices in the rhyolite rimrock. Besides this diverse high desert flora, keep an eye out for caves, pronghorn, mountain lions, and amazing petroglyphs. Be sure to tread carefully with respect to rattlesnakes! The best time to visit this area is mid-June, when the wildflower carpet is at its peak. I hope some of you will take the time to enjoy these hikes and appreciate the silence and beauty of this isolated Owyhee high desert area as I have.

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Chapter (if known) _____

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

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☐ Patron – \$100

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☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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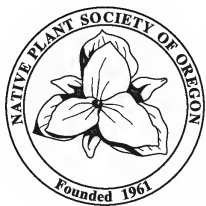
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A Gorgeous New Venue for the 2006 Mt. Pisgah Wildflower Festival!

by Rhoda Love, Emerald Chapter

Frankly, I cannot wait for Sunday May 21! After setting up 26 annual Wildflower Shows in a gloomy and drafty metal World War II Quonset hut at Mt. Pisgah, we will at last have a gorgeous venue that will do credit to our wildflower display, and of course, to any other event to be staged there in the years to come.

A bit of history: Freeman Rowe, my friend and colleague at Lane Community College in Eugene, conceived of the first Wildflower Show in 1980. We all remember the day because that morning Mt. St. Helens blew her stack! After that, Freeman and his LCC students organized the show for many years, usually with the help of David Wagner of the University of Oregon. After several years of graduate work at the University, I returned to the LCC

staff, and, with my botany students, joined Freeman in collecting and setting up the annual show—still, of course, in the dark and windy Quonset. In 1988 the Emerald chapter of the NPSO volunteered to help prepare the show, and has done so to the present day. When Gail Baker became part of the LCC staff, she and her botany classes also joined in the preparations. Freeman, David, and I, all now retired, have continued to take part in the show. For over a quarter century, we have done our chilly set-up in that dim and clammy Quonset. At times, we would return the day of the show to find the structure had become a wind tunnel during the night and many of our bouquets and vases had crashed to the floor!

Now is the spring and summer of

my content! All is new and wonderful—bright and beautiful! The stunning White Oak Pavilion will be the new home of our MPA-LCC-NPSO Wildflower Show forever more. The joy of large windows and plenty of light. The ability to close the doors when the wind blows! The new larger size, which will allow room for visitors to move easily among the flower displays. *Bulletin* readers will not want to miss this year's show. In honor of the new pavilion, NPSO has prepared brand new plant labels in bright clear plastic holders, offering new information about each species. Although I have become a senior citizen since that first show in 1980, I feel like a kid again at the prospect of setting up our display in this magnificent new venue. See you there!



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 6

JUNE 2006

Intern Report

The following articles on Willamette daisy are part of a series in which NPSO/Institute for Applied Ecology (IAE) interns discuss their activities during the 2005 field season. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon during the past summer. In these articles, Marin Palmer and Tara Gaitaud discuss our efforts in collaboration with the Eugene District BLM to track changes in one of the largest remaining populations of the daisy, evaluate burning and mowing as habitat management tools, and understand how seed production fails in small populations. For more information on internship opportunities, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

- Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

Willamette Daisy Population Monitoring and Management in West Eugene

by Marin Palmer

Walking through the prairie habitat of the West Eugene Wetlands, one can see many native plants and beautiful wildflowers. If you are lucky enough, you may even stumble across one of my favorite flowers, the Willamette daisy. *Erigeron decumbens* var. *decumbens* is endemic to Oregon's Willamette Valley and its range consists of several dozen sites. It is a small plant (less than 35 cm in height) with delicate lavender flowers and tiny yellow centers. The little flowers poke their heads up toward the sky on one or several flowering stems per plant. However, Willamette daisy is easy to miss because of its small size and its tendency to blend in with the native grasses (or invasive annuals!) and other plants that share its habitat.

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Effects of Population Size on Seed Production in Willamette Daisy

by Tara Gaitaud

Willamette daisy was once abundant throughout its range in the Willamette Valley but today fewer than thirty populations remain, and many have fewer than one hundred plants. Once thought extinct, the species was rediscovered in 1980 and is listed as endangered by both federal and state agencies. Little is known about this delicate, purple-tinged, decumbent-stemmed perennial plant except that the species has little chance of survival without protection and effective management.

The Willamette daisy predominately occurs in wetland prairie habitat. The greatest threats to its survival are agriculture and urban expansion, secondary succession by trees and shrubs, and invasive non-native plants.

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2006 ANNUAL MEETING

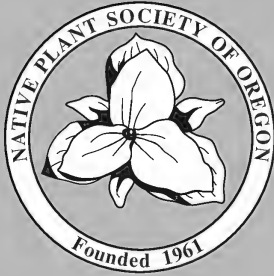
June 9 – 11 in
McMinnville

Don't miss it!

Look for registration form
and other information in
March *Bulletin* or online at
www.NPSOregon.org

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Native Plant Society of Oregon

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E-mail Discussion List

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or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Highlights of the March State Board Meeting

by Leslie Rossmell, Secretary

The Mid-Columbia chapter hosted the March board meeting at the Columbia Gorge Discovery Center in The Dalles. Attendees enjoyed a stroll through the native plant garden on the Center's grounds established and maintained by Mid-Columbia. Chapter president Jerry Igo reported planning is underway for the 2007 Annual Meeting to take place in the Gorge area.

Each year NPSO encourages basic field research on Oregon native plants through a membership-funded grant program. The field research committee, chaired by Dan Luoma, reviews proposals and makes grant decisions. Three proposals will be funded in 2006, each for \$750. The proposal titles are 1) Headwater riparian plant dynamics and importance to regional conservation strategies; 2) Pollination and reproductive biology of three *Collinsia* species native to SW Oregon; and 3) Predictive mapping of plant distributions and their underlying environmental determinants in a forest/tundra ecotone, Jefferson Park, Oregon.

Expect the next issue of *Kalmiopsis* later this year if Editor Cindy Roché receives the articles promised. Our new liaison for Earthshare of Oregon is Kelli Van Norman who is taking over from Jenifer Hutchinson. Veva Stansell, Fellows Committee chair, is stepping down and interested individuals should contact any board member about filling the vacancy.



TANYA HARVEY

Fremont's silk tassel (*Garrya fremontii*) is an evergreen shrub common in Oregon in the Siskiyou and the southern and central Cascades. Though not as long or striking as its coastal relative, *G. elliptica*, its male (left) and female (right) flowers, found on separate plants, are still intriguing upon closer examination. They are very early bloomers; look for them soon after snowmelt.

State

June 9 – 11, Friday – Sunday

Annual Meeting: The Willamette Valley and Cheahmill chapters will jointly host the Annual Meeting at Linfield College in McMinnville. Information and registration materials were included in the March *Bulletin* and can also be found on the NPSO website, www.NPSOregon.org.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

The chapter will be co-hosting the Annual Meeting this month. For more information about the chapter call Rob Tracey at 503-843-2702 or visit www.oregon-nativeplants.com.

Corvallis

June 24, Saturday, 8 am

Field Trip: Browder Ridge Trail.

Come explore ancient old growth forests and sweeping alpine meadows on the ramparts of Browder Ridge, just south of Iron Mountain. The walk is about 6 miles round-trip with an elevation gain of 1200 feet. Bring sturdy boots, lunch and water for this all day trip. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 8 am. For more information please contact Matt Blakeley-Smith mattbs@peak.org or 541-752-1091.

July 8, Saturday, 10 am

Field Trip: Marys Peak Summit Walk dedicated to Danna Lytjen. Danna was our Corvallis chapter president in 1997 and brought great enthusiasm and appreciation of native plants to our chapter. The Eugene and Corvallis chapters are dedicating this special hike

on Marys Peak to Danna to show our appreciation and support her in her illness. Cards and notes will be collected and delivered to her in Eugene. We will meet at 10 am at the parking lot across from the Monroe Beanery on Monroe and NW 26th St., Corvallis. We will carpool from the parking lot. Please bring good walking shoes, warm clothes, raincoat, lunch and water. We will drive to the campground parking lot and hike to the peak, have lunch and hike back down through the noble fir forest. We will return by mid afternoon to Corvallis. The rock garden

should be in bloom with *Sedum ore-ganum*, *Penstemon cardwellii*, *Erysimum asperum*, and *Senecio triangularis*. For more information contact Esther McEvoy at 541-754-0893.

Emerald

Oregon Flora Project Challenge!

There is still time to double your donation to the Oregon Flora Project. Emerald Chapter will double your donation up to \$1,200. At press time, 9 donors had taken advantage of this offer. Send your check to: Oregon Flora Project, PO Box 402, Corvallis, OR 97339-0402. Write "Emerald Challenge" on the subject line to double your contribution.

July 8, Saturday, 8:30 am

Field Trip: Marys Peak Summit Walk Dedicated to Danna Lytjen.

Our friend Danna is ill and we wish to show our concern and support by dedicating this special Marys Peak Wildflower Hike to her. Cards or notes to Danna will be collected and delivered to her in Eugene. Marys Peak (4097') south of Corvallis, is the highest point in the Coast Range and supports a unique flora which includes relic species now more common east of the Cascades. The summit has the largest stand of noble fir (*Abies procera*) in the Coast Range, and xeric plant species include *Allium crenulatum*, *Eriogonum umbellatum*, *Lupinus lepidus*, *Silene douglasii*, and *Erythronium grandiflorum*. The trip will be led by Marys Peak experts Esther McEvoy and Phil Hays. Plant lists will be available. Emerald Chapter Members: please meet at the South Eugene High at 8:30 am to carpool to Corvallis. See more information under Corvallis Chapter Announcements. For information in Eugene call Dave Predeek at 541-345-5531.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

July 15, Saturday, 9 am

Field Trip: Horsepasture Mountain.

Rob Weiss will teach Conifer ID on scenic Horsepasture Mountain south of McKenzie Bridge. Learn to identify 16 native conifer species including sugar pine and Alaska yellow cedar. Bring lunch and water. Wear good hiking shoes. Meet at South Eugene HS at 9 am. We will return to Eugene by 6 pm. For more information call Rob at 541-926-5012.

July 22, Saturday, 8 am

Field Trip: Spirit Lake. Barbro McCree will lead us to Spirit Lake and meadow on Koch Mountain, west of Waldo Lake. It is 1-mile round trip to the lake. Meet at 8 am at South Eugene HS or at 9 am at Middle Fork Ranger Station near Oakridge. We will return to Eugene by 6 pm. Contact Barbro at 541-782-3919 or k_mccree@efn.org. Visit the McCrees' web page at www.efn.org/~k_mccree/Spirit-Lake.html for more about the site.

High Desert

June 27, Tuesday, TBA

July 15, Saturday, TBA

Monitoring Work: Survey for Peck's Penstemon in a Deschutes Forest restoration project near Sisters. Call Stu Garrett at 541-389-6981 for details.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

June 8, Thursday, 7:30 pm

Meeting: Wildflowers and Wind Machines—In the Pacific Northwest We Can Grow Them Both. Join us while Jerry Igo discusses melding large scale wind farms with our existing native plant populations. The Commodore Building, Downstairs Conference Room, 3rd & Court Street, The Dalles.

July 13, Thursday, 6:30 pm

Event: Annual Potluck. Location and directions will be in July *Bulletin*.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

June 5, Monday, 9 am – 4 pm

Field Trip: Angel's Rest. Enjoy a rare weekday, wildflower-filled walk to a stunning viewpoint. The hike is about 5.5 miles round trip with 1500 feet of elevation gain. We should see Oregon iris (*Iris tenax*), Columbia lily (*Lilium columbianum*), and maybe Western corydalis (*Corydalis scouleri*), plus lots of others. Contact leader Don Jacobson for car pool location, 503-235-6234, donj@dslnorthwest.net.

June 8, Thursday, 7 pm

Meeting: Birds, Blossoms & Butterflies: The Nature Year on Mt. Adams! Come join Paul Slichter, longtime NPSO member, botanist and photographer extraordinaire as he takes us on a whirlwind tour of the flowers and animals of Mt. Adams, from first thing in the spring until the snow flies. The program will also emphasize current efforts to update the flora for the mountain, as well as where to find interesting plants! Location: Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

Siskiyou

June 3, Saturday, 9 am

Field Trip: Grizzly Peak (Dead Indian Memorial Rd., east of Ashland). Early spring flowers: Klamath fawn lily, yellow bells, small lewisias, lomatiums. Easy-to-moderate, 5-mile round-trip hike, 600' elevation gain (5300-5900'). Meet behind Oil Stop on Ashland St., just west of the Ashland BiMart/Shop

'n Kart parking lot, about 1/4 mi west of I-5, exit 14. Leader: Jim Duncan, 541-482-7629.

June 10, Saturday, 9 am

Field Trip: King Mountain Summit (near Wolf Creek). Visit a natural rock garden with rock beardtongue and several species of sedum and phlox in this remote, fascinatingly beautiful BLM Area of Critical Environmental Concern. Easy 1-mile hike. Meet at 9 am at US Forest Service Bldg., 200 NE Greenfield Rd., Grants Pass, just north of Exit 58 off I-5, east side of freeway. Leaders: Norm Jensen, 541-951-4420, and Don Heinze, 541-955-7247.

June 17, Saturday, 10 am

Field Trip: Miller Lake (Applegate Valley). We will hike on a trail through the Miller Lake Botanical Area in the Sturgis Fork watershed. We should see bunchberry, Brewer's spruce and, with an additional off road hike, Baker's cypress. Elevation gains are moderate, and we'll walk up slowly looking at plants. Elevation gain to Miller Lake is 400 ft. Those who feel more energetic may continue an additional 350 ft above the lake to the gap at the top of the ridge and back down; others may wish to stay around the lake. Meet at 10 am at Star Ranger Station in the Applegate Valley, 7 miles south of Ruch on Upper Applegate Rd. Leader: Barbara Mumblo, 541-899-3855.

June 24, Saturday, 8 am

Field Trip: Castle Lake (west of Mt. Shasta City). Join Penn Martin, wildflower expert of the Mt. Shasta region, for a hike through this botanically rich area. Penn will be selling his Castle Lake wildflower brochure for \$5 (same format as his brochure for Mt. Shasta). Because the field trip will be passing through a wilderness area, it is limited to 10 participants. Call Alex Maksymowicz, 541-482-1964, to reserve a place. Meet at 8 am behind Oil Stop on Ashland St., just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mile west of I-5, exit 14; or meet at 9:30 am in the Castle Lake parking area. Leader: Penn Martin, www.shastawildflowers.com.

July 1, Saturday, 9 am

Field Trip: Fiddler Mountain (Illinois Valley). Expect to see rare, common, and just plain beautiful blooms on this trip, including scarlet mon-keyflower, bronze bells, Bolander's lily, Siskiyew lewisia, piggy-back plant, and a mysterious masked lomatium! Mostly driving, with short walks. Bring lunch, water, sun block, and insect repellent. Meet at 9 am right (south) side of Ray's Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Leader: Norm Jensen, 541-951-4420 or normjensen@gmail.com.

Umpqua Valley

June 3, Saturday, 8 am

Field Trip: King Mountain. Ron Hatt will lead the group on a venture to lofty King Mountain for an amazing spectacle of short stature plants that one might find in a rock garden. Such plants to view are *Viola hallii* (Hall's violet), *Phacelia* cf. *peckii* (variation of Peck's phacelia), anenomes, lupines, sedums, sandworts, phloxes, and hopefully a late blooming fritillary. Expect an easy stroll. Meet at 8 am at the northeast corner parking lot behind Douglas County Courthouse, 1036 SE Douglas Ave., Roseburg to carpool or caravan, or at the Riddle exit McDonalds at 8:30 am. For more information call Ron Hatt at 541-863-2074.

June 8, Thursday, 7 pm

Meeting: Field Trip Slides. Ron Hatt will show slides from various field trips taken by the group this year. Everyone is welcome. Bring a plant specimen to discuss or identify. Mercy Community Education Building, 2459 Stewart Parkway, Roseburg. For information call Ron Hatt 541-863-7024.

June 17, Saturday, 9 am

Meeting: Native Garden Planning at VA Hospital. Meet at the BLM parking lot at 9 am to carpool or caravan over to the VA hospital for further planning of NPSO's native plant garden. For more information call Ron Hatt at 541-863-2074.

June 24, Saturday, 8 am

Field Trip: Dunes Research Natural Area. We will visit a quiet beach just inside Douglas County. Leader Richard Sommer will help to identify tideland flora and fauna as well as dune plants. We should find two sand verbenas, two sea rockets and eel grasses. Meet at the northeast corner parking lot of the Douglas County Courthouse, 1036 SE Douglas, Roseburg. For information call Richard Sommer 541-440-0612.

July 1, Saturday, 8 am

Field Trip: Lower Twin Lakes. Sam Friedman will lead the group on an outing to Twin Lakes bog/fen. We will be looking for tall bog onions, pardalium lilies and twinberry. There is also a stand of Alaska yellowcedar. Meet at the northeast corner parking lot of the Douglas County Courthouse, 1036 SE Douglas, Roseburg. For information call Sam Friedman 541-673-0589.

Willamette Valley

June 3, Saturday, 7 am – 6 pm

Field Trip: Dog Mountain. Chapter President John Savage will lead this all-day hike identifying and viewing wildflowers on Dog Mountain on the Washington side of the Columbia Gorge. This is a difficult hike with a 3000' elevation gain, but the flowers are well worth it. For more information or to register, please call 503-399-8615.

June 14, Wednesday, 7 – 8 pm

Program: Martha Springer Botanical Garden. Dean Wentworth, botanical garden and greenhouse curator at Willamette University in Salem, will lead a walking tour of the Martha Springer Botanical Garden. This delightful one-acre garden, located on campus at 900 State Street, contains hundreds of plant species and includes a Northwest plant section. Free and open to the public. To register or to obtain additional information, please call 503-399-8615. The tour may be subject to time change.

William Cusick

June 10, Saturday, 9 am

Field Trip: Wildlife Enclosures North of Elgin. We will compare the effects of deer and elk on native plants. The enclosures have excluded big game as well as cattle for over 60 years, and the plants that have grown within the fenced areas demonstrate how robust they can become when they are not browsed. Meet in front of Max Square in La Grande at 9 am to car pool. One-meter-tall *Paxistima myrsinites*, as well as taller than usual *Acer glabrum*, *Sambucus* species and others are expected. Bring lunch and water, and we will try to be back in La Grande about 2 pm. Easy, short hiking involved. For more information call Kent Coe at 541-962-7049.



TANYA HARVEY

Lower Twin Lakes and its wet meadows seen from the upper trail. See Umpqua Valley trips.

North Mountain Park Nature Center Events

620 N Mountain Ave., Ashland

To get more information and to register or buy tickets, visit call 541-488-6606 or visit <http://ashlandparks.recware.com>.

Nature Walk in Upper Lithia Park
June 7, Wednesday, 4:30 – 6 pm

Making New Plants from Cuttings
June 8, Thursday, 7 – 8:30 pm

\$5/person.

**"Naturescaping" 3rd Annual
Benefit Garden Tour & Presentation**
**June 22, Thursday, 7 pm
Presentation**

**June 24, Saturday, 9 am – 2 pm
Garden Tour**

This year's theme is permaculture, "a design approach based on ecological principles that creates sustainable landscapes, homes, and workplaces." Permaculture ethics are: Care for the Earth, Care for the People, Return the Surplus. Six fabulous Rogue Valley gardens are included on this self-guided tour. Toby Hemenway, author of *Gaid's Garden: A Guide to Home-Scale Permaculture*, will be presenting on Thursday, June 22, 7 pm at the Community Center, 59 Winburn Way, in Lithia Park. \$10 Garden Tour, \$5 Presentation or \$12 Garden Tour & Presentation combination ticket.

Water-Wise Gardening Workshops

June 24, Saturday, "Be Water Smart" Workshops

- Farmington Gardens, 21825 SW Farmington Rd., Portland, (10 am – 1 pm)
- Cornell Farm, 8212 SW Barnes Rd., Portland, (10 am – 2 pm)
- Al's Garden Center, 16920 SW Roy Rogers Rd., Sherwood, (10 am – 2 pm)

The Regional Water Providers Consortium (RWPC) will sponsor a free "Be Water Smart" event at three local nurseries. Attendees will learn simple water conservation tips and techniques for gardens and landscapes including use of native plants. A water conservation and nursery expert will be on hand to answer questions.

RWPC is also seeking greater Portland residents interested in having their water-efficient landscape pictured on television, in the newspaper or willing to verbally discuss their garden with the media. Please visit www.conserveh2o.org or contact Allison Wehrley at allison@anthillmarketing.com or 503-236-3192 for additional information.

ONRC Wilderness Week: June 24–July 7

Wilderness Week is an opportunity for people of all ages to explore Oregon's spectacular wildlands. ONRC and conservation partners will offer more than 40 events and free guided hikes through unprotected wilderness areas around the state. Visit spectacular waterfalls and wildflower meadows in proposed Wilderness areas.

For a complete list of hikes and events, more information or to RSVP, visit www.oregonwild.org/wweek2006.html.

Iron Mountain & Echo Mountain Wildflower Hikes (and Campout)
July (20) 21 – 22, Thursday evening thru Saturday

As a continuation of ONRC's Summer 2006 Wilderness outing events, ONRC is hosting this wildflower hike campout led by Wendell Wood, to the Old Cascades proposed Wilderness Area in the Willamette National Forest east of Sweet Home. Both days' hikes will meet at Sevenmile (group) Campground, .25 mile east of mile post 59 off South Santiam Hwy 20 at 9 am. A plant list will be provided, with common and scientific names of everything to be seen. Bring water to camp on either Thursday or Friday night. For registration and directions contact Nanci Champlain at nc@onrc.org or 503-283-6343 x 203.

5th Annual Native Orchid Conference

June 8-12, Thursday–Sunday
Southern Oregon U., Ashland

For more information about speakers and field trips or to see if space is still available, contact conference chairs Carol Ferguson (541-552-6748 or ferguson@sou.edu) or Ron Coleman (520-749-1168 or ronorchid@cox.net). Downloadable brochure available at www.chebucto.ns.ca/recreation/orchid-congress/noc06.pdf.

Siskiyou Field Institute Courses

To learn more about our courses or to reserve your place, visit our website, www.thesfi.org, or call 541-592-3777.

**Forests and Fungi: Introduction
to Forest Mycology**
June 19 – 23, Ashland

Explore the world of fungi with OSU professor Dan Luoma both in the lab and field.

**Crash Course in Identifying
Plant Families**
June 19 – 23, Ashland

Linda Ann Vorobik, PhD

Grasses of Southwest Oregon
June 23 – 24, Ashland

Whether you are a novice or a grass shark grown rusty on the names, this two-part grass identification workshop with Cindy Roché, PhD, is for you!

**Kozloff in the Siskiyou: Test
Driving Kozloff's New Book**
June 24, Ashland

Explore the flora of the Siskiyou with Dr. Frank Lang using Eugene Kozloff's *Plants of Western Oregon, Washington and British Columbia*.

Arbor Day Restoration Seminar

The Practice of Restoring Native Ecosystems Seminar June 7, Wednesday, Portland

Ecologist Steve Apfelbaum and landscape restoration contractor William Young will give restoration practitioners many practical, hands-on methods to use in the restoration of various ecosystems. Sponsored by the National Arbor Day Foundation, the seminar, designed for the beginning to intermediate-level restorationist, will provide a good foundation in the core principles and techniques of ecological restoration. For a brochure or to register, visit www.arborday.org/shopping/conferences/conferencelist.cfm.

Mt. Pisgah Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.

A Look at Floodplain Restoration June 5, Monday, 6 – 8 pm

Hike to the South Meadow with Jason Blazar, of Friends of Buford Park and Mount Pisgah, to see the recent stewardship activities there to help control invasive vegetation, reforest the floodplain, enhance the channel connectivity with the river, and restore habitat for aquatic species. Suggested Donation: \$3 (MPA and FBP members free!)

Butterfly Walk June 11, Sunday, 12 – 2 pm

Explore the best butterfly habitats on the east side of the Mt. Pisgah with Neil Björklund, of the North American Butterfly Association. Pre-registration required. Suggested donation: \$3. (MPA and NABA members free!)

Flower & Garden Photography June 24, Saturday, 10 am – 1 pm June 27, Tuesday, 6:30 – 8:30 pm

Professional photographer David Stone will demonstrate composition, lighting, lens choice and tripod use. Includes field work in a local garden. \$25 (\$20 members.) Pre-registration required.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S–XL, short sleeve **\$15 plus \$5 shipping.** To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



Willamette Daisy Population Monitoring and Management

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Willamette daisy is an endangered species found in grassland habitat, mainly in seasonally wet areas and some upland prairies. Once thought extinct, less than 10,000 plants survive in under 30 populations throughout the Willamette Valley, mostly between Eugene and Salem. The size of these populations ranges from three plants to thousands, making management of some populations essential for their survival. A few of these populations are on public land and therefore protected, such as the one at Oxbow West on lands managed by the Bureau of Land Management in West Eugene.

Monitoring and management of the daisy population at Oxbow West has been an ongoing project for the Institute for Applied Ecology in partnership with the Eugene District BLM, since 1999. The Oxbow population is one of the largest known populations, with over 3500 plants covering four to five acres in 2005 (Kaye and Benfield 2005). The site is within the West Eugene Wetlands and is a prairie site that has been managed to remove invading

shrubs and trees. Several other rare plants are found at Oxbow, including *Sidalcea cusickii* and *Aster curtus*. The biggest natural threat to the daisy population at this site is competition from competing vegetation, which increases in the absence of disturbance, and encroachment by the invasive reed canary grass, which is abundant in nearby riparian areas. However, while working at the site, we also encountered a crew monitoring for the possible highway that could run straight through Oxbow West in the future. Construction at the site would have obvious negative effects on at least some of the plants here, but exactly how many was unclear.

The main goal of our monitoring has been to explore the use of mowing and burning as possible management strategies for Willamette daisy. Historically, many prairie sites in the Willamette Valley were burned by Native Americans to provide open habitat for gathering plants used as food. Mowing is also helpful in reducing competing vegetation abundance and preventing the encroachment of trees and shrubs. Some plots within the population have been mowed every other year since 2002. Fire as a management strategy was implemented in fall of

2005. However, this was after our sampling in the summer and the results will not be known until 2006.

My first experience heading out into the field to monitor the Willamette daisy could be compared to finding a needle in a haystack. To the untrained eye, searching for tiny vegetative plants is like searching for the one special blade of grass in a huge field. Of the many things I've learned this summer, one of the most useful (at least in this line of work) is how to create a good mental search image. After sampling *Erigeron* for a week, I quickly learned to recognize those special narrow "blades of grass" for their unique leaf shape, size, color, venation, and degree of stickiness. Once I learned how to recognize and identify all life stages of Willamette daisy, the task of finding and measuring each of the plants in the five-acre area became much less daunting.

The study plots at Oxbow are set up to count each daisy plant at the site. After dividing the plots and setting up transects, we carefully searched for, counted and measured each plant. Plant abundance, flowering and crown cover are all important in understanding this population's dynamics and how various aspects fluctuate from year to year. Our crew spent over a week this summer crawling across the ground to count and measure each and every daisy, the enjoyment of which any fellow plant enthusiast can understand.

The result of our careful searches is an optimistic one. Since 1999, the total number of daisies at Oxbow has increased, which is hopeful for the well-being of this population. Just shy of 2000 plants were counted in 1999, and the number has increased most years, with this year's total of 3622 daisies surpassed only by the 2004 count. An important aspect of this research is how it can be applied to help maintain other populations. Mowing and/or burning may be helpful for the expansion of *E. decumbens* at Oxbow, but the habitat conditions are already fairly good at the site because of the lack of weedy competitors. However, active management may be crucial at other

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Marin Palmer

ROBERT CASTLEN

Willamette Daisy Population Monitoring and Management

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less pristine sites where Willamette daisy is currently being out-competed. As of 2005, after only two mowing applications, we were not yet able to confirm whether mowing had a significant effect on the plants. Repeated, long-term mowing has been used to help control weedy competitors of other threatened Willamette Valley species, such as Kincaid's lupine, and there is hope that this will also be a successful strategy for the Willamette daisy.

Another *E. decumbens* study being done by IAE and the Eugene District BLM seeks to understand the effect of population size on seed production across a large number of populations. (See the accompanying article by Tara Guitaud for details of this study.)

Monitoring at Oxbow and other sites, as well as studies such as seed viability, all help increase our ability to recover Willamette daisy, a beautiful plant that will hopefully someday be back to its full abundance in the Willamette Valley.

Over the course of my internship, I have learned all kinds of valuable skills. These skills range from general plant identification, to understanding how population dynamics are studied, and learning how to properly walk through a field without trampling any of the many plant species of conservation concern. This experience has been very enjoyable as well as educational. I would like to thank the Native Plant Society of Oregon for making my internship possible. I would also like to give many thanks to the IAE crew for fielding my many questions with grace and for a great summer.

Effects of Population Size on Seed Production in Willamette Daisy

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Although this species has both sexual reproduction and vegetative reproduction, the plant is considered self-incompatible and depends on pollinators such as bees, beetles and butterflies to set seed.

IAE initiated a field study with the Eugene District BLM to examine the relationship between population size and seed viability. Our objectives were to test the hypothesis that larger populations are able to produce a larger proportion of viable seed than small ones. Our goal was to determine if a population size threshold exists below which populations fail to produce seed to assist in future management actions for this species.

We sampled 18 populations of *Erigeron decumbens* ranging from 3 to more than 4000 individuals. I present information from the 10 populations for which the data have been fully tallied (work is underway to complete the data analysis). In June 2005, prior to flowering, random individuals from each population were flagged, then in

July, seed heads were collected from each flagged individual. We sampled up to 30 individuals of each population (fewer at smaller populations). For each capitulum (seed head), we recorded the number of viable and nonviable seeds. From this we calculated the seed set or proportion of viable seeds. For this study, we defined viable seeds as seed that was round and solid with a plump embryo versus seed that was flattened or filled with air.

The relationship between population sizes and seed set is summarized in the accompanying figure. There is a significant relationship between seed set and population size, and populations with fewer than ten plants do not appear to reproduce by seed. The viable seeds will undergo cold stratification, a refrigeration process which overcomes a seed's dormancy. The seeds will be germinated to determine viability, and this information will be compared to population sizes to further examine whether a relationship exists between population size and seed viability.

There are many problems associated with small, isolated populations. As distances between populations and

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CARLA WISE

Flowers of Willamette daisy (Erigeron decumbens)

Effects of Population Size on Seed Production in Willamette Daisy

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individuals increase due to habitat destruction and fragmentation, the viability of this species is likely to decline because of reduced compatible pollination and low seed set. Two mechanisms may be at work here, genetic incompatibility and inbreeding depression. Incompatibility has not been studied in this species, but it could explain the observed pattern if in small populations compatible mating types are not present or have reduced probability of crossing with each other.

Small populations have an increased risk of inbreeding depression and genetic drift. Inbreeding depression occurs when closely related individuals mate and genetic drift is the random changes which occur in isolated populations which cannot be attributed to natural selection or mutation. The offspring in both cases usually have reduced genetic variability and fitness which can lead to poor seed set as well as a reduced ability to adapt to environmental change (Ellstrand and Elam 1993).

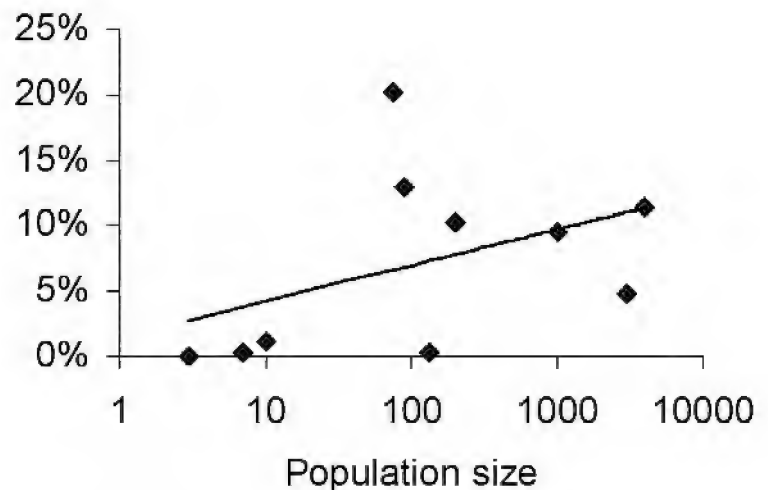
The survival of this rare species is at a crucial stage. If it continues to decline without the proper management of existing populations, it is likely that the Willamette daisy will soon become extinct. Conservation efforts to protect existing populations, augmenting small populations with additional genetically diverse plants, and introduction to new sites will greatly benefit this species. Although there are many gaps in our knowledge of this species, simple observations of the associated species, site and population ecology may help identify new suitable habitats. Also in an effort to maintain genetic diversity for future populations, seed collection is recommended from current sites, especially those that are not protected. The future of the Willamette daisy is not hopeless, but work on this species is necessary to prevent further decline.

I have been fortunate this summer to have the opportunity to work as an intern with the Institute for Applied Ecology in Corvallis, Oregon, a non-profit organization that specializes in conservation, research and education of natural resources. I am grateful to Tom Kaye, Carla Wise and the rest of the IAE staff for this rewarding educational experience.



CARLA WISE

Willamette daisy flagged for seed sampling.



Scattergram of seed set vs. log of population size of Willamette daisy.

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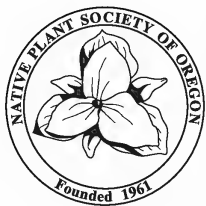
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The Emerald Chapter will match contributions from its members with a donation from the Chapter treasury. We encourage each chapter to consider a similar challenge with its members—we would like to acknowledge each chapter's help in this final push for support of the Oregon Flora Project. As a new field season begins, we hope that information from the Flora Project will enhance your understanding and appreciation of our state's botanical resources. Your support is creating a valuable resource for everyone—thank you!

Please make your check payable to NPSO or to OSU Foundation, note that it is for OFP and which chapter you belong to, and send it to:

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Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

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JULY 2006

Intern Report

A Time to Replant: Reintroduction of Kincaid's Lupine in the Willamette Valley

by Luke Clardy

The following article on Kincaid's lupine is the last in the series from NPSO/Institute for Applied Ecology (IAE) interns during the 2005 field season. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon during the past summer. In this article, Luke Clardy describes his experience working with reintroduction of Kincaid's lupine, host plant of the Fender's blue butterfly, in collaboration with the USFWS and BLM. For more information on internship opportunities, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Many thanks to NPSO for contributing to botanical education and work experience.

~ Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

I was not prepared for the expanse of the Willamette Valley with its farmland, quiet low buildings and extensive plant life when I came to Corvallis from Southern California. Oregon itself, as I discovered, is full of sites to camp and recreate outside. It is truly full of hidden treasures in this respect. Many Oregonians are aware of the sights to see in their great state. However, many Oregonians seem to

be unaware of their many rare and endangered plants. Driving North on I-5 towards Corvallis I thought the landscape looked unremarkable, although beautiful and sparsely populated, compared to the thick sprawl of my native Orange County. During the time I worked with the Institute for Applied Ecology I have had my eyes opened to the diversity of the upland and wetland prairies, including one of the jewels of Oregon's upland prairie landscape, Kincaid's lupine.

Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*) is a long-lived perennial member of the Pea family which is extant within a very small range limited to western Oregon and parts of Washington. It has purplish flowers, palmate leaves and a sweet-and-sulfur smell similar to mothballs. It is easily distinguishable from other *Lupinus* species due to the fact that the upper surface of the leaflets is usually glabrous (lacking hairs). Kincaid's lupine is also the primary host plant for the endangered Fender's blue butterfly (*Icaricia icarioides* ssp. *fenderi*) whose larvae feed upon the leaflets and overwinter at the

base of the plant. Both are threatened by habitat loss from agriculture, development, and invasive species (U.S. Fish and Wildlife Service 2000). Working with both of these species was a wonderful chance to get up-close and personal to something most people rarely, if ever, get to see.

My first experience with Kincaid's lupine was at Pigeon Butte, one of several experimental propagation sites set up to look into the best way to augment and reintroduce populations of Kincaid's lupine. While there are many sites that still contain the lupine, separation by distances too great for pollinators has led to problems of inbreeding depression (Severns 2003). The current scattered range of Kincaid's lupine is also a problem for the Fender's blue butterfly, which is unable to effectively spread to available habitat more than a few kilometers away. To create "stepping stone" populations and to expand existing small patches, propagation and outplanting of the lupine has been explored extensively over the past five years. The Institute for Applied

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Editor's Note

Submission Information for Next Issue

A reminder that next month's *Bulletin* will cover the last half of August and September. The submission date will be pushed back two weeks to **July 26**. You should receive this issue the second week of August. The following issue will return to the usual schedule with a submission date of September 10th and should arrive by October 1st.

Please send all submissions electronically and put in the same order as they are in the *Bulletin*. **Put NPSO and the Chapter or organization name in the subject.** This helps keep them from getting lost with the spam. Thanks! I hope you'll all have a chance to get out and enjoy the wonderful summer wildflowers!

Changing of the Guard

by Kelli Van Norman, NPSO Immediate Past President

NPSO is now 45 years old. Just this weekend, we have marked another successful Annual Meeting and I stepped down as President of the state NPSO Board of Directors. Thank you for electing me the last few years to steward this venerable organization. NPSO is the only organization in Oregon dedicated to our native flora. Our members range from those with an interest in knowing what they're seeing while hiking to plant geeks with PhDs in botanical taxonomy. Though there is sometimes tension between the various interests of our members, I believe it is beneficial to NPSO and allows us to have broad relevance.

NPSO is a volunteer organization, and there are too many people for me to thank individually here for their support during my five years on the Board. But let me use this pulpit once again to encourage all NPSO members to be active in the Society. There are many opportunities for volunteering from Chapter leadership positions to committee positions. In fact, I encourage everyone to simply participate in the local NPSO Chapter activities such as field trips, weed pulls, and presentations.

We are a community made up of individual members with a commitment to our native flora. My hope is that NPSO remains a strong and influential voice to enjoy, conserve, and study Oregon's native plants and habitats.

Ed. Note: Many thanks from all of us in NPSO to you, Kelli, for your years on the board and dedication to the Society. You've been an excellent, well-organized President and a pleasure to work with. And welcome to our new President, David Lebo!



TANYA HARVEY

Like all mitreworts, the tiny flowers of three-toothed mitrewort (Mitella trifida) are best appreciated up close. From a distance, they are easy to miss, scattered around in their woodland habitat.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

For more information about the chapter call Rob Tracey at 503-843-2702 or visit www.oregon-nativeplants.com.

Corvallis

July 8, Saturday, 10 am

Field Trip: Marys Peak Summit Walk dedicated to Danna Lytjen. Danna was our Corvallis chapter president in 1997 and brought great enthusiasm and appreciation of native plants to our chapter. The Eugene and Corvallis chapters are dedicating this special hike on Marys Peak to Danna to show our appreciation and support her in her illness. Cards and notes will be collected and delivered to her in Eugene. We will meet to carpool at 10 am at the parking lot across from the Monroe Beanery on Monroe and NW 26th St., Corvallis. Bring good walking shoes, warm clothes, raincoat, lunch and water. We'll drive to the campground parking lot and hike to the peak, have lunch and hike back down through the noble fir forest. We will return by mid afternoon to Corvallis. The rock garden should be in bloom with *Sedum oregonum*, *Penstemon cardwellii*, *Erysimum asperum*, and *Senecio triangularis*. For more information contact Esther McEvoy at 541-754-0893.

July 8, Saturday, 8 am

Field Trip: Iron Mountain. Spectacular wildflowers with over 200 species of vascular plants recorded along this botanically rich trail west of Santiam Pass. 4-5 miles, moderately difficult all-day hike. Bring good boots, lunch, and water. Meet at 8 am at the OSU parking lot SW of The Beanery, 26th and Monroe, Corvallis. Call Dan Luoma, 541-752- 8860, for more information.

Emerald

July 8, Saturday, 8:30 am

Field Trip: Marys Peak Summit Walk Dedicated to Danna Lytjen. Our friend Danna is ill and we wish to show our concern and support by dedicating this special Marys Peak Wildflower Hike to her. Cards or notes to Danna will be collected and delivered to her in Eugene. Marys Peak (4097') south of Corvallis, is the highest point in the Coast Range and supports a unique flora which includes relic species now more common east

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

of the Cascades. The summit has the largest stand of noble fir (*Abies procera*) in the Coast Range, and xeric plant species include *Allium crenulatum*, *Eriogonum umbellatum*, *Lupinus lepidus*, *Silene douglasii*, and *Erythronium grandiflorum*. The trip will be led by Marys Peak experts Esther McEvoy and Phil Hays. Plant lists will be available. Emerald Chapter Members: please meet at the South Eugene High at 8:30 am to carpool to Corvallis. See more information under Corvallis Chapter Announcements. For information in Eugene call Dave Predeck at 541-345-5531.

July 15, Saturday, 9 am

Field Trip: Horsepasture Mountain. Rob Weiss will teach Conifer ID on scenic Horsepasture Mountain south of McKenzie Bridge. Learn to identify 16 native conifer species including sugar pine and Alaska yellow cedar. Bring lunch and water. Wear good hiking shoes. Meet at South Eugene HS at 9 am. We will return to Eugene by 6 pm. For more information call Rob at 541-926-5012.

July 22, Saturday, 8 am

Field Trip: Spirit Lake. Barbro McCree will lead us to Spirit Lake and meadow on Koch Mountain, west of Waldo Lake. It is 1 mile round trip to the lake. Meet at 8 am at South Eugene HS or at 9 am at Middle Fork Ranger Station near Oakridge. We will return to Eugene by 6 pm. Contact Barbro at 541-782-3919 or k_mccree@efn.org. Visit the McCrees' web page at www.efn.org/~k_mccree/SpiritLake.html for more about the site.

August 20, Sunday, 5 – 8 pm

Event: Morse Ranch Potluck/Picnic. We have reserved the picnic shelter at the Morse Ranch in South Eugene. NPSO members and families are invited. Bring a table setting and dish to share. There will be a Board Meeting at 6:30 pm at the shelter. For more information call Dave at 541-345-5531.

High Desert

July 15, Saturday, TBA

Monitoring Work: Survey for Peck's Penstemon in a Deschutes Forest restoration project near Sisters. Call Stu Garrett at 541-389-6981 for details.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

July 13, Thursday, 6:30 pm

Event: Annual Potluck. Afton Foote's House, 616 E Scenic Dr., The Dalles 541-296-5345.

August 10, Thursday, 7:30 pm

Meeting: Seed Collection and Propagation. There is still time to collect seeds this season for some native grasses and most perennial forbs. Bring seeds for exchange if you have collected them. Mike Igo presenter. Location: The Commodore Building, Downstairs Conference Room, 3rd & Court Street, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

Portland

For information on the Portland Chapter call Steve Roelof at 503-260-9487.

Siskiyou

July 1, Saturday, 9 am

Field Trip: Fiddler Mountain (Illinois Valley). Expect to see rare, common, and just plain beautiful blooms on this trip, including scarlet monkeyflower, bronze bells, Bolander's lily, Siskiyou lewisia, piggy-back plant, and a mysterious masked lomatium! Mostly driving, with short walks. Bring lunch, water, sun block, and insect repellent. Meet at 9 am right (south) side of Ray's Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Leader: Norm Jensen, 541-951-4420 or normjensen@gmail.com.

July 8, Saturday, 9 am

Field Trip: Rabbit Ears /Grouse Meadows (Mt. Ashland). We will start out by looking at the Mt. Ashland lupine, Henderson's horkelia and other plants at Rabbit Ears. We will then check out the many plants at the roadside seep below Rabbit Ears and along the Pacific Crest Trail in Grouse Meadows. Expect 1–2 miles of easy walking. Meet at 9 am behind Oil Stop on Ashland St., just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mile west of I-5, exit 14. Leader: Alex Maksymowicz, 541-482-1964.

July 15, Saturday, 1 pm

Field Trip: High Siskiyou in the Vicinity of Oregon Caves National Monument. Hike about one mile to the glacial cirque at Bigelow Lakes with a gentle rise in elevation of about 250'. You will find there one of the highest lakeside plant diversities in the Siskiyou. Around 80 mostly subalpine, boreal, or regional endemic species will be in bloom. Meet at 1 pm at the Oregon Caves NM parking lot, where we'll caravan to the trailhead. Participants coming from areas outside the Illinois Valley can meet at 11:30 am at the Illinois Valley Visitor center and consolidate vehicles. This will give them time to eat lunch at the Caves NM prior to the start of the field trip at 1 pm. Leader: John Roth, 541-592-2100, ext 230.

July 22, Saturday, 9 am

Field Trip: Siskiyou Crest in the Vicinity of Dutchman Peak and Observation Peak. Visit a few interesting Botanical Areas that are easily accessible from Forest Service roads, including the Pacific Crest Trail near Observation Gap and the lush meadow at the head of Cow Creek on the Klamath River drainage. See rare plants and beautiful wildflowers still in abundant spring bloom at this high elevation (around 7,000'). Short, easy walks. Meet 9 am in the Walmart parking lot off Valley View Rd in Talent (just west of I-5, exit 21) at the Valley View Rd edge of the parking lot; or, meet at 10:30 am at Jackson Gap, junction of Forest Rd 20 and the Dutchman Peak Rd. Leader: Jim Duncan, 541-482-7629.



TANYA HARVEY

The dainty, drooping flowers of bronze bells (Stenanthium occidentale) are often seen arching off the side of a seepy cliff or in the spray of a waterfall. Join the Siskiyou chapter's trip to Fiddler Mountain for a chance to see this delicate beauty.

August 5, Saturday, 4 pm

Field Trip: Bigelow Lakes Botanical Area and Mount Elijah. This is the classic late afternoon-late night hike that Lee has been leading for many years. We will watch the sunset and may see everything from rare plants to resident long-eared owls. Bring water, dinner, warm clothes, flashlight, and good hiking shoes. Moderate 5-mile hike. Recommended reading: Don Begnoche, *Siskiyou Sundays*, pp. 101-106; Mary Paetzel, *Spirit of the Siskiyou*, pp. 118-155. Meet at 4 pm at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46; return by midnight. Leader: Lee Webb, 541-479-6859.

August 12, Saturday, 8 am

Field Trip: Sugar Creek Research Natural Area (Klamath NF, California). Visit one of the world's leading areas for conifer diversity. We should see about 15 species of conifers on a gradual climb of about 2.5 miles to Sugar Lake. Further exploring above the lake is exciting but optional, depending on the group. In addition to conifers, expect to see the limited Salmon Mt. wakerobin in fruit and sugarstick. Meet at 8 am behind Oil Stop on Ashland St, just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mi west of I-5, exit 14; or, meet at 9:30 am in the gravel parking lot on the north side of USFS office in Fort Jones, CA (jnct. of Hwy 3 and Scott River Rd). Leader: Marla Knight, 530-468-1238.

Umpqua Valley

July 1, Saturday, 8 am

Field Trip: Lower Twin Lakes. Sam Friedman will lead the group on an outing to Twin Lakes bog/fen. We will be looking for tall bog onions, pardalium lilies and twinberry. There is also a stand of Alaska yellowcedar. Meet at the northeast corner parking lot of the Douglas County Courthouse, 1036 SE Douglas, Roseburg. For information call Sam Friedman 541-673-0589.

July 8, Saturday, 7 am

Field Trip: Crater Lake National Park. Enjoy the awesome sights along with colorful displays of high elevation flowers, including many of the monkeyflowers like *Mimulus lewisii*, *M. primuloides*, and *M. moschatus*. The rare white pine will also be of special interest. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg at 7 am. For information call Richard Sommer 541-440-0612.

July 13, Thursday, 7 pm

Meeting: Noxious Weeds of Douglas County. Ken French, Oregon Department of Agriculture Southwest Oregon Noxious Weed Coordinator, will give a presentation on the noxious weeds of Douglas County. Ken has years of experience in dealing with invasive weeds and his job is to provide the public with information on the particulars of individual species and ways to control them. There will be announcements afterwards, but no chapter meeting will be held this month.

July 15, Saturday, TBA

Annual Summer Chapter Potluck.

July 22, Saturday, 8:30 am

Field Trip: Reynolds Ridge. Reynolds Ridge is the old stomping grounds and favorite botatizing area of Douglas County's four pioneer lady botanists. The area features high mountain meadows you won't want to miss. Some highlights are ladies tresses, sundews, and many other special flowers. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg at 8:30 am. For information call Ron Hatt at 541-863-7024.

Willamette Valley

July 8, Saturday, 7 am – 5:30 pm

Field Trip: Iron Mountain. Enjoy one of best summer wildflower hikes in Oregon. Iron Mountain, located above Highway 20 in the Willamette National Forest, has more than 300 different species of flowering plants amid

stands of trees and meadows. This all-day hike, over a seven-mile loop, will be slow paced. Bring lunch and water. Chapter president John Savage will lead the hike. For more information or to register, please call 503-399-8615. Free and open to the public.

July 18–20, Tuesday–Thursday

Workshop: Native Tree and Shrub Identification. Chemeketa Community College is sponsoring a three-day workshop in July on learning to identify trees and shrubs native to the west side of the Cascades.

July 18, Tuesday, 9 am–4 pm

Classroom and outdoor sessions on tree and shrub identification (lunch is included) at the Oregon Garden.

July 19, Wednesday, 8:30 am–5 pm:

Field trip to the Cascades (transportation provided).

July 20, Thursday, 8:30 am–3 pm

Field trip to the Coast Range (transportation provided).

The field trips are outdoor sessions in a wide range of habitats. Instructor: Gail Gredler. CCC Course Registration Number: 13262. Cost: \$156 (includes instruction, handouts, lunch during the first day and field trip transportation). For more information or to register, please call: 503-399-5139.

William Cusick

June 10, Saturday, 9 am

Field Trip: Wildlife Enclosures North of Elgin. We will compare the effects of deer and elk on native plants. The enclosures have excluded wild ungulates as well as cows for over 60 years, and the plants that have grown within the fenced areas demonstrate how robust they can become when they are not browsed. Meet in front of Max Square in La Grande at 9 am to carpool. One-meter-tall *Paxistima myrsinites*, as well as taller than usual *Acer glabrum*, *Sambucus* species and others are expected. Bring lunch and water, and we will try to be back in La Grande about 2 pm. Easy, short hiking involved. For more information call Kent Coe at 541-962-7049.

OTHER EVENTS

Mt. Pisgah Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504 or visit www.efn.org/~mtpisgah.

Watercolor Landscapes: Summer Colors **July 16 & July 23, Sundays, 10 am – 2 pm**

Let the beauty of Mount Pisgah inspire you as you paint the bright colors of summer at this watercolor workshop for beginning to intermediate artists. Merideth Ferrell, local painter and instructor, will demonstrate techniques to make your landscapes sing with color and vibrancy. The first session will be for beginners and those wishing to brush up on their skills, and the second session will provide more detailed instruction for those more advanced. Fee: \$30 (\$25 MPA members.)

Berry Walk **August 5, Saturday, 10 am – Noon**

Join nature guide and herbalist, Sue Sierralupé for a guided walk discussing collection, identification, and consumption of local plants that produce edible berries. We will harvest and tame Himalayan blackberries (*Rubus discolor*), and Sue will distribute delicious recipes! Bring collection containers, gloves, your favorite clippers and sturdy shoes. Meet at the Arboretum Visitor Center, rain or shine. Suggested Donation: \$3 (MPA members free).

North American Butterfly Association Field Trips

All field trips meet at the Campbell Senior Center parking lot (155 High St., Eugene). Pre-registration is required.

Fourth of July Butterfly Count: **Eugene-Springfield** **July 1, Saturday, 9 am**

The first of our two butterfly counts will be led by Eugene count-founder and veteran count-organizer, Sharon Blick. Teams will explore for butterflies in Mt. Pisgah, the West Eugene Wetlands, Spencer Butte and more. Beginners are encouraged to join this learning experience in butterfly identification, while enjoying good company. \$3 fee for participants. To pre-register, contact Sharon Blick at 541-683-4635 or blick@toast.net.

Groundhog Mountain **July 12, Wednesday, 9 am**

Groundhog Mountain's numerous wetland meadows, and road-cut outcrops with seeps, make for diverse vegetation that supports many butterflies. At least 270 different plant species, and 35 butterfly species, have been seen in the area. Join Tanya Harvey in exploring

this area of great botanical diversity and excellent habitat for butterflies. Since most habitat is accessed directly along the road, the walking on this trip is easy. Second meeting place is just off Hwy 58 in Dexter at 9:30 am. Space is limited to 15 persons. To pre-register: call Tanya at 541-937-1401.

Fourth of July Butterfly Count: **Browder Ridge** **July 15, Saturday, 8 am**

Our annual count in the meadows of the Central Cascades will again be organized by Eric Wold, co-founder of NABES. With a bit of sun, we expect to see hundreds of individual butterflies, and nearly 40 different species. Trails range from easy to moderately difficult depending on your choice of team. There is a \$3 fee to participate which supports NABA's national advocacy for butterflies. To pre-register contact Ellie at 541-684-8973 or woodnymph3000@gmail.com.

Nearby Nature Event

Meadow Micro-Magic **July 15, Saturday, 10 am – noon** **Alton Baker Park, Eugene**

Use all sorts of neat magnifiers to check out everything from flowers to insects, up close! Enjoy a family-paced hike, a craft, a snack, and a visit from a costumed Kinder Critter! Meet at the Park Host Residence in Alton Baker Park (between dog run and community gardens), \$2/person or \$5/family, pre-registration suggested, 541-687-9699.

Waldo Lake **July 22, Saturday, 9 am**

The lush subalpine meadows of Waldo Lake will provide a new setting for our butterfly exploration. Plant specialist and all-round naturalist, Bruce Newhouse will lead us, and share his knowledge of butterflies and their host plants. Trip is limited to 15 people. To pre-register call Ellie at 541-684-8973 or woodnymph3000@gmail.com.

Horsepasture Mountain **July 30, Sunday, 9 am**

Horsepasture Mtn. is an excellent late-summer butterfly site. High butterfly diversity, abundant wildflower displays, and outstanding views of the high Cascade peaks will make this a special trip. Trip leader is NABES Science Advisor, Neil Björklund. 2.8-mile roundtrip hike, with nearly 1000' elevation gain. Space is limited to 15 people. To pre-register contact Neil at 541-344-2053 or nborklund@comcast.net.

Whitebark Pine: A Pacific Coast Perspective

August 27-31

Southern Oregon U., Ashland

Whitebark pine is a keystone species in high elevation forests of the Pacific Coast. It not only provides critical wildlife habitat and watershed protection, but evokes the beauty and majesty of the special places where it resides.

This conference will explore the ecology, population structure and genetics, wildlife interactions, disturbance regimes, threats, and challenges of managing whitebark pine and other high elevation five-needle pines in British Columbia, Washington, Oregon, and California. The program includes speakers, organized debate, contributed papers and posters, and field trips. Conference information and Call for Papers and Posters is available at www.fs.fed.us/r6/nr/fid/wbpine.

Siskiyou Field Institute Courses

The Siskiyou Field Institute (SFI) invites you to join us for our debut weekend at our new home, Deer Creek Center in Selma! We are excited to offer our first group of courses based at Deer Creek Center. SFI has a diverse offering of engaging field based natural history courses throughout 2006. To learn about our courses or to reserve your place, visit our website www.thesfi.org or call 541-592-3777.

Exploring the High Country

July 14 – 16

Deer Creek Center, Selma

Courses offered this weekend include: Biology of Trees and Shrubs with an overnight at Bear Basin Butte Lookout, Exploring The Forest Canopy, Climate History of the Klamath-Siskiyou, Siskiyou Photography.

Camp out under the stars or bunk in a dorm: Camping \$12 per person per night, Dorm (bed in a shared room) \$20 per person per night.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The ***Atlas of Oregon Carex*** was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping.** To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



Reintroduction of Kincaid's Lupine in the Willamette Valley

continued from 67

Ecology has partnered with the Bureau and Land Management and U.S. Fish and Wildlife Service to conduct experiments along these lines at multiple sites in the Willamette Valley.

Three sites in the West Eugene Wetlands on property managed by the Eugene District, BLM and one on private property near Dallas formerly used for grass farming and horse pasture have been planted with Kincaid's lupine. Transplanting and seeding are being studied at these sites to evaluate various treatments such as fertilization, soil scraping and weeding, seed scarification, inoculation with *Rhizobium* and other treatments.

While I worked with many natural populations of Kincaid's lupine during my internship, I found the reintroduced populations were the nitty-gritty of restoration. Two of the sites already had populations of lupine and were augmented with plant materials from on-site, while the other two were new introductions into habitat within the species geographic range. All of the sites contained upland prairie remnants.

In general, seeding was less successful than transplanting, when measured as a percentage of plants or seeds, although seeding was much less costly and time intensive, and both had a low survival rate. Both seedlings and transplants tended to die off in the first four years, with about 60% surviving the first year, and subsequently falling down to around 10-20%. However, the plants that did last tended to flourish and become reproductive and large, and we even observed new plants at some of the sites. This may indicate the need for repeated transplanting in order to establish Kincaid's lupine populations. One encouraging aspect was that some planted lupines have expanded so much we could not tell individuals apart. This is not uncommon when monitoring natural populations because the species tends to put out ramets (underground shoots) to reproduce clonally, making individuals difficult to distinguish.

Another hopeful sign is that Fender's blue butterflies appear to be able to find reintroduced and augmented lupines as long as they are near other populations. Although no butterflies were seen on the new population we started near Dallas, which is several miles from the nearest other popula-

tion, we have found butterflies and their eggs at one reintroduced lupine site and both augmented sites. However, unless nectar plants are present to support the adult butterflies, egg-laying seems to be low and inconsistent.

Kincaid's lupine may need to be reintroduced in close proximity to natural lupine populations that are currently utilized by ovipositing Fender's blues so the adults can move between patches. A patchy spatial arrangement of out-plantings may improve egg-laying as well, because it appears that Fender's blue prefers to oviposit on patch edges. At one augmented site, the relatively patchy transplants had a very high number of eggs per leaf compared to thicker clumps within the natural population that tended to have fewer eggs in the middle. Since Kincaid's lupine populations are already very fragmented, a strategy that creates patches between larger colonies may be a means of increasing gene flow by connecting sites and perhaps also improving the reproductive health of this threatened plant, since pollinators are also limited in the distance they can travel between sites.

The time I was able to spend with Kincaid's lupine has stimulated my imagination for what can be done to preserve our natural resources. I would like to thank NPSO, Tom Kaye, and the Institute of Applied Ecology, as well as all of my colleagues, for the opportunity to learn of and work with the rare and native plants of Oregon, true gems in the heritage of the state.

References

- Severns, P. M. Propagation of a long-lived and threatened prairie plant, *Lupinus sulphureus* ssp. *kincaidii*. *Restoration Ecology* 2003, 11:3, 334-339
- U. S. Fish and Wildlife Service. 2000. Endangered status for *Erigeron decumbens* var. *decumbens* (Willamette Daisy) and Fender's blue butterfly (*Icaricia icarioides fenderi*) and threatened status for *Lupinus sulphureus* ssp. *kincaidii* (Kincaid's Lupine). *Federal Register* 65(16):3875-3890



Luke Clardy in a patch of Kincaid's lupine.

CARA BENFIELD

Rare & Endangered Plants Committee

Oregon has ten species on the Federal list of R&E plant species and 29 on the State list (with nine overlaps). The state-wide R&E Committee wishes to monitor these species and to determine which additional species warrant listing. We would like to develop educational programs that describe the state's flora and to increase our conservation activities by providing appropriate and specific information about local plants to city and county committees on management, planning, and parks and recreation. If you are interested in learning more about R&E plants and helping to increase public awareness of our wonderful flora, contact Les Gottlieb (Siskiyou Chapter) at leslie@ashlandhome.net or 541-488-0731.

Why Should I Care About Native Plants? (A pragmatic conversation with myself)

by David McClurg, Emerald Chapter

Sure, I like plants. But is it necessary to obsess about native plants? What makes them so special? After all, native plants are just the plants that were already in the area before some arbitrary point in time and non-native plants are the latecomers. Why should I care about native plants?

Plant seeds can move around.andelion seeds are carried by the wind. Some seeds, such as from bedstraw, have hooks and attach to passing animals. Birds carry seeds long distances. Since nature does it already, what is the problem with moving plants around the world? If a plant can persist without cultivation, who am I to shun it?

It turns out that when seeds are dispersed long distances, often with our help, they can leave behind some of their enemies and infections. In two studies of 473 European plant species, out of 30,000 total species introduced to the US, the plants dropped half their net pests and 77% of their diseases. This can make them more vigorous and in some cases they become very destructive weeds costing \$123 billion a year in the US. [1] Non-native plants, freed from having to defend themselves, are just waiting to become weeds as soon as they quit wasting resources on defenses. In effect, all non-natives have the potential to become invasive. And a native plant in one place can become an invasive non-native in another. Non-natives have an unfair advantage.

But gardening is a huge industry. And many useful plants such as crops

and spices, like ourselves, are non-natives. Certainly the benefits outweigh the costs. But what happens when vigorous non-natives outcompete and displace natives? In many sites, non-natives outnumber natives. Invasive species are considered the second biggest threat to biodiversity, after habitat destruction, and threaten 46% of species listed under the Endangered Species Act. They disrupt local ecology and cause a cascade of changes. [2] Certainly we can lose a few species already on the way out. Extinction is a natural process too.

The problem is that the current extinction rate is at least 1000 times the background rate for the last 60 million years when the last great extinction wiped out the dinosaurs and 75% of all species. Most biologists agree we are now entering the next great extinction. Sure, what life remains will re-radiate and fill the empty ecological niches—but we think that will take thousands of years! And we don't know how to design new genes or organisms yet, as if that would be a good thing. We can only dice and splice to make GMO crops and such. And although the non-natives seem to be doing well in the short-term, they are not adapted to long-term, local climatic conditions and so could crash. Diseases will move, evolve, and eventually catch up to our crops. We have already experienced this and hybrid monocultures used by agriculture make this more likely. If wild stock goes extinct, we'll have nowhere

NPAW Coordinator Needed

May 1-8, 2006 marked the second annual Native Plant Appreciation Week (NPAW). The list of activities included wildflower shows, plant hikes, art exhibits, plant sales and impressive slide shows. With Governor Kulongoski's support, this statewide event is building society recognition as well as helping to increase membership. We need a new NPAW coordinator as I am taking on duties as the Corvallis chapter president. The new coordinator will encourage chapter presidents to schedule events, facilitate the production of a poster, and work with the webmaster to provide online information. If you have any questions please contact Matt Blakeley-Smith at mattbs@peak.org.

to find the answers. Our world, our green inheritance, will be spoiled and wasted. [2]

In the end, we have to be good stewards of our unique native plants, each in their own unique area. We need second order diversity between different places in the world, not just one big mixing pot of first order diversity. So I guess I care about native plants now. The answer is just more complicated than I wanted it to be. Making the hard choices about what to put in the garden will be where it gets tough. Since the wilds are all disappearing, I owe it to the wildlife, insects and animals, to create some cover and habitat in my yard. But first I have to start pulling all this ornamental giant St. John's wort!

References

- [1] *Nature*, February 6, 2003; economic costs from a January 1999 report by David Pimentel of Cornell University and his colleagues.; *Scientific American*, April 2003, p. 32
- [2] <http://www.nwf.org/wildlife/esa/threats.cfm>; <http://www.earth-policy.org/Updates/Update35.htm>

NEW MEMBERS

12/13/2005 – 6/13/2006

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TANYA HARVEY

Masses of Farewell-to-Spring (Clarkia amoena) are a wonderful sight in early July.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Is this a change of address? If so, please write your old address here:

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Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair
 3927 Shasta View St.
 Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- ☐ New ☐ Renewal
☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
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CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____
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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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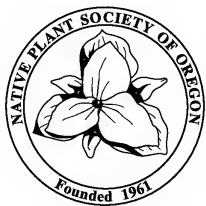
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Friends of the Oregon Flora Project

This summer, the Oregon Flora Project will be sharing with the public several features that have been the focus of our efforts for quite some time. For the Oregon Vascular Plant Checklist, we have compiled the changes that each author proposes in their taxonomic treatment of a genus, and will submit these to the Checklist Advisory Board and Checklist

Project Leaders for their feedback. This will allow us to produce a draft of the Checklist detailing all Oregon plants, their accepted names, and their synonyms; this will be available on our website. The Atlas will also see progress: we will also be uploading over 30,000 new records to the Atlas database and implementing some minor improvements to the mapping program.

We were recently awarded \$10,000 from OSU's General Research Fund to fund a proposal to complete the Poaceae (Grass Family) component of our morphology database. We are especially pleased, as this represents the first direct support from the University in the twelve years of the project's existence.

Your financial support is always appreciated and welcomed. A few copies of *Ever Blooming: The Art of Bonnie Hall* remain as acknowledgements of gifts of \$300 or more. Contributions of any amount can be made out to NPSO, with "OFP" on the memo line, and mailed to: P.O. Box 402, Corvallis, OR 97339-0402.



www.oregonflora.org



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 8

AUGUST/SEPTEMBER 2006

Stalking the Ancient Asparagus: a.k.a. *Spiranthes porrifolia*

by Lucy A. Dueck

Back in 1949, William T. Baker collected specimens of an orchid he thought was *Spiranthes romanzoffiana* (hooded ladies'-tresses) from a meadow not far from Agness, Oregon, in Curry County. Those specimens later ended up in the University of Idaho herbarium, but were re-identified there as *Spiranthes porrifolia* (creamy ladies'-tresses) by Dr. Charles Sheviak of the New York State Museum, who specialized in studying *Spiranthes* taxonomy.

Baker's specimens proved to be an invaluable link for a current DNA study of *Spiranthes* orchids that I've undertaken the last four years, together with my collaborator, Dr. Ken Cameron of the New York Botanical Garden. I needed to collect samples from all 26 *Spiranthes* taxa that are listed in *Flora of North America* online, plus one newly described species, as well as a close relative to root the 'family tree' of this genus. However, *S. porrifolia* remained elusive, despite engaging several West Coast contacts to find and collect it. As with most terrestrial orchids, this one is fickle about appearing every year, especially during these times of climatic change.

Luckily, two herbariums allowed me to take small leaf parts of *S. porrifolia* specimens in their collections for genetic analysis. But the results were perplexing—in one of the three plant genomes (the only one I got to work), the sample from San Diego matched the widespread *S. romanzoffiana*, while Baker's Oregon sample matched the rare and unique *S. infernalis* from Nevada. Were these cases of misidenti-

fication, or links to distant relatives?

While attending the Native Orchid Conference (NOC) meeting in June 2006, conveniently held in Ashland, Oregon, I heard that the local *S. porrifolia* looked suspiciously like *S. infernalis*. Now I had to get fresh samples of it to test the validity of Baker's old specimen! One group member offered a location for *S. porrifolia* in Agness, and another member provided the name of a local botanical specialist, Veva Stansell. I contacted Veva and made arrangements to meet her in Agness on the last day of the conference. She even knew of the exact site where Baker had collected his sample, so we planned to check both areas.

However, I ran into some roadblocks that day—literally. The only route over the coastal mountains, a one-lane gravel road, sported a new "Road Closed" sign, which I ignored and drove around—after all, Veva and her friend Kay Butler were waiting on the other side. After getting chewed out by a road crew boss at the crest for interfering with construction, I finally met up with my two local guides and we were off to Baker's site. The expansive wet meadow, dotted with oaks, failed to yield any sign of *S. porrifolia* to the three of us, though it had produced blooming plants in recent years. Next, we checked the site pointed out on the map to me by the NOC member that was farther towards the coast. It had begun to rain by then and the site looked unlikely to the local guides, so I checked it out alone, but

had no luck. By this time my disappointment began to show, and Veva remembered she had taken a sample last year from the meadow site for a USFS herbarium specimen. So we stopped by the USFS in Gold Beach and she graciously loaned me her specimen to sample. Driving back to Ashland via the Redwood Highway that evening, I was pleased that I didn't get totally skunked, but a fresh sample from that area would have been more dependable for a complete analysis.

Much to my surprise, I got a call en route that another NOC member had also crossed the mountains that day and had actually found a few

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npso

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

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Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Rare & Endangered Plants Committee

Oregon has ten species on the Federal list of R&E plant species and 29 on the State list (with nine overlaps). The state-wide R&E Committee wishes to monitor these species and to determine which additional species warrant listing. We would like to develop educational programs that describe the state's flora and to increase our conservation activities by providing appropriate and specific information about local plants to city and county committees on management, planning, and parks and recreation.

If you are interested in learning more about R&E plants and helping to increase public awareness of our wonderful flora, contact Les Gottlieb (Siskiyou Chapter) at leslie@ashlandhome.net or 541-488-0731.

NPAW Coordinator Needed

May 1-8, 2006 marked the second annual Native Plant Appreciation Week (NPAW). The list of activities included wildflower shows, plant hikes, art exhibits, plant sales and impressive slide shows. With Governor Kulongoski's support, this statewide event is building society recognition as well as helping to increase membership. We need a new NPAW coordinator as I am taking on duties as the Corvallis chapter president. The new coordinator will encourage chapter presidents to schedule events, facilitate the production of a poster, and work with the webmaster to provide online information. If you have any questions please contact Matt Blakeley-Smith at mattbs@peak.org.



TANYA HARVEY

Big Summit Prairie in the Ochoco Mountains is well known for its outstanding displays of mule's ears (Wyethia spp.) in spring. But after they're gone the area still yields many botanical delights including this stunning display of big pod mariposa lilies (Calochortus eurycarpus).

For more about the Ochocos, see p. 86.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

September 28, Thursday, 5:30 pm

Potluck Barbecue & Meeting at Miller Woods. Kick off the fall schedule with a tour of Miller Woods and a barbecue. 5:30 pm tour, 6:30 pm dinner and slide show of the history and future of Miller Woods by Tim Stieber of the Yamhill County Soil and Water Conservation District. The property was donated to the district and its vision statement reads, "A Unique Place to Learn about Natural Resources." Flyers and e-mails will be sent out in early September with more information on the barbecue. Miller Woods is located off Orchard View Rd, four miles northwest of McMinnville. For more information on Miller Woods, see YC SWCD website: www.yamhillswcd.org, and hit programs. For more information and reservations call 503-472-6902.

Corvallis

September 2, Saturday, 8 am

Field Trip: Cascade Head. Come explore one of the finest examples of coastal prairie in Oregon. Enjoy magnificent views of the Pacific as we hike to the summit of this prominent headland. Be prepared for cool breezes and fog. We'll picnic at the summit, so bring lunch and water. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis. Please contact Matt Blakeley-Smith at mattbs@peak.org or 541-752-1091.

October 9, Monday, 7:30 pm

Meeting: A Brief Photo Essay of Hawaiian Endemic Flowering Plant Genera. Dr. Gerald Carr will share insights into his many years of Hawaiian

plant research. Avery House, Avery Park, Corvallis. For more information contact Matt Blakeley-Smith mattbs@peak.org 541-752-1091

Emerald

Please note all Emerald Chapter presentations will now be held at the Eugene Water and Electric Board Training Room at 500 East 4th Avenue in Eugene. From the Fifth Street Market go one block north and one block east. For more info call David at 541-746-9478.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

August 20, Sunday, 5 – 8 pm

Event: Morse Ranch Potluck/Picnic. We have reserved the picnic shelter at the Morse Ranch in South Eugene. NPSO members and families are invited. Bring a table setting and dish to share. There will be a Board Meeting at 6:30 pm at the shelter. For more information call Dave at 541-345-5531.

September 7, Thursday, 9 am

Herbarium Work Party: Assist with mounting and organizing specimens in the Rowe-Love Herbarium at Lane Community College. Meet in the Science Building Rm 117 from 9 am to noon. Refreshments provided. No background necessary and all assistance is appreciated. Learn some valuable collection and preparation skills and contribute to adding to our collection of over 3000 specimens. Notable and historic herbarium specimens from the Herbarium will be on display. Contact Gail Baker, Science, Lane Community College, 541-463-5085 or bakerg@lanecc.edu.

September 18, Monday, 7:30 pm

Meeting: The Genus *Erythronium* in Western North America, by Ed Alverson, Willamette Valley Stewardship Ecologist for the Nature Conservancy. When not exploring the far corners of the Willamette Valley, Ed has been roaming the west in search of fawn lilies, avalanche lilies, and their kin. Oregon and northern California are the global center of *Erythronium* diversity, with 20 of the approximately 32 species found worldwide. 7:30 pm, EWEB Training Room at 500 East 4th Avenue, Eugene.

October 16, Monday, 7:30 pm

Meeting: Planning Native Plant Restoration for Public Parks, by Pat French, Willamalane Parks Planner. Pat describes invasive species control and restoration strategies for Eastgate Woodlands and other public recreation settings. 7:30 pm, EWEB Training Room at 500 East 4th Avenue, Eugene.

High Desert

For information on the High Desert Chapter call Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

August 10, Thursday, 7:30 pm

Meeting: Seed Collection and Propagation. There is still time to collect seeds this season for some native grasses and most perennial forbs. Bring seeds for exchange if you have collected any. Mike Igo presenter. The Commodore Building, Downstairs Conference Room, 3rd & Court Street, The Dalles.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl at 503-842-8708.



TANYA HARVEY

Late summer is aster season. When out in wet meadows, look for Aster (*Canadanthus*) *modestus*, great northern aster. It is easy to identify by its glandular involucre and abundance of anthocyanins in the stem and bracts.

Portland

For information on the Portland Chapter call Steve Roelof at 503-260-9487.

Siskiyou

August 5, Saturday, 4 pm

Field Trip: Bigelow Lakes Botanical Area and Mount Elijah. This is the classic late afternoon-late night hike that Lee has been leading for many years. We will watch the sunset and may see everything from rare plants to resident long-eared owls. Bring water, dinner, warm clothes, flashlight, and good hiking shoes. Moderate 5-mile hike. Recommended reading: Don Begnoche, *Siskiyou Sundays*, pp. 101-106; Mary Paetzl, *Spirit of the Siskiyou*, pp. 118-155. Meet at 4 pm at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46; return by midnight. Leader: Lee Webb, 541-479-6859.

August 12, Saturday, 8 am

Field Trip: Sugar Creek Research Natural Area (Klamath NE, California). Visit one of the world's leading areas for conifer diversity. We should see about 15 species of conifers on a gradual climb of about 2.5 miles to Sugar Lake. Further exploring above the lake is exciting but optional, depending on the group. In addition to conifers, expect to see the limited Salmon Mt. wakerobin in fruit and sugarstick. Meet at 8 am behind Oil Stop on Ashland St., just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mi west of I-5, exit 14; or, meet at 9:30 am in the gravel parking lot on the north side of USFS office in Fort Jones, CA (jct. of Hwy 3 and Scott River Rd). Leader: Marla Knight, 530-468-1238.

Umpqua Valley

August 10, Thursday, 7 pm

Meeting: Plants and Views from Utah's High Deserts. Sam Friedman, chapter president, will present a slide show featuring his recent trip to Utah's

famous canyon country. The program will include pictures of some of southwest Utah's unique landscapes and plants from National Parks and other scenic areas. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For more information call Sam Friedman at 541-673-0589.

August 12, Saturday, 8:30 am

Field Trip: High Meadows of Mount Bailey and Diamond Lake. Mt. Bailey, at 8,368', overlooks the western edge of Diamond Lake. At its base and around Diamond Lake are lush mountain meadows supporting a healthy assortment of wildflowers. Bring your camera and try your hand at some excellent wildflower photography. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg. For more information call Richard Sommer at 541-440-0612.

August 19, Saturday, 9 am

Work Party: Native Plant Garden at the VA Hospital. Bring your imagination, love for gardening, shovels and gloves, and spend a fun morning helping design and layout our new native plant garden at the Roseburg VA. Meet at the VA Hospital parking Lot A. For more information call Ron Hatt at 541-863-7024.

September 9, Saturday, 8:30 am

Field Trip: Oregon's Tallest Sugar Pine. Enjoy the last golden days of summer by visiting the tallest sugar pine in Oregon. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg or at the Tri City McDonalds, Exit 103 at 9 am. For more information call Sam Friedman at 541-673-0589.

September 14, Thursday, 7 pm

Meeting: Designing Native Plant Gardens. A special guest, to be announced, will present a show on native plant gardening. We'll also discuss the VA Hospital's native plant garden. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For more info call Sam Friedman at 541-673-0589.

September 16, Saturday, 9 am

Work Party: Native Plant Garden at the VA Hospital. Meet at the Roseburg VA Hospital parking Lot A for a gardening workday. Bring shovels and gloves. For information call Ron Hatt at 541-863-7024.

Willamette Valley

August 12, Saturday, 7 am – 6 pm

Field Trip: McNeil Point. John Savage, chapter president, will lead a hike to McNeil Point near Rhododendron in the Mt. Hood area. This all-day, seven-mile hike will take you through lush forest areas to meadows filled with a variety of mountain wildflowers. The hike will be slow paced with some elevation gain. Bring food and water. For more information, please call 503-399-8615. Free and open to the public.

September 21, Thursday, 7 pm

Program: Rare and Endemic Plants of the Pacific Northwest. Phyllis Gustafson will show pictures and give a talk about the rare and endemic wildflowers of the Pacific Northwest. Gustafson is co-author of the recently published *Wildflowers of the Pacific Northwest*, a comprehensive guide to more than 1,200 flowers. Gustafson ran a small seed collection business specializing in northwest native plants and worked with natives in the nursery industry for more than 20 years. Straub Environmental Learning Center, 1320 A Street NE in Salem (next to Olinger Pool, near North Salem High School). The program is free and open to the public. For more information, please call 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping.** To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



OTHER EVENTS

Berry Botanic Garden Events

To register or to get more information on events at Portland's Berry Botanic Garden, visit www.berrybot.org or call Kris at 503-636-4112x22.

Annual Fall Plant Sale September 23, Saturday, 11 am – 3 pm (10 – 11 am members)

More than 20 specialty vendors are expected, offering thousands of unusual plants for the avid plant collector and the casual gardener. The event will showcase plants native to the Pacific Northwest, specialty alpine plants, dwarf conifers and bonsai, and perennials.

WREN West Eugene Wetlands Events

Family Marsh Walk August 23, Wednesday, 7 pm

Have you ever wondered what the West Eugene Wetlands is like at night? Families are invited for an evening walk into the wetlands to discover the evening wildlife, enjoy the night skies and just listen to the natural quiet. Wear comfortable shoes and dress in layers (it can still be windy and cool). Meet at 7pm at the end of Royal Ave at the gate west of Fisher Rd. To register, call Holly McRae at 541-683-6494 or e-mail wew@wewetlands.org.

WREN Volunteer Orientation September 19, Tuesday, 6 – 7:30pm

Do you enjoy working with kids in the outdoors? Do you want to learn more about the rare, native Willamette Valley habitats? Join us for an informal meeting to find out more about volunteer opportunities with WREN's education program in the West Eugene Wetlands. Contact Liz Myers at 541-683-6483 for more information & registration.

North Mountain Park Nature Center Events

620 N Mountain Ave., Ashland
To get more information and to register or buy tickets, call 541-488-6606 or visit <http://ashlandparks.recware.com> or www.ashland.or.us/northmountainpark.

Seed Collecting September 9, Saturday, 9 – 11 am

Learn how you can reproduce your own plants from seed you have saved. This is incredibly rewarding, not to mention the money you'll save! You will go home with seeds you have collected from the N MT Park gardens. Join instructor Jennifer Ewing for this fun class. Jennifer has taught a variety of gardening classes throughout the Rogue Valley and works as a consulting gardener. Ages: 12 - Adult. \$5/person.

Whitebark Pine: A Pacific Coast Perspective

August 27-31 Southern Oregon U., Ashland

Whitebark pine is a keystone species in high elevation forests of the Pacific Coast. It not only provides critical wildlife habitat and watershed protection, but evokes the beauty and majesty of the special places where it resides.

This conference will explore the ecology, population structure and genetics, wildlife interactions, disturbance regimes, threats, and challenges of managing whitebark pine and other high elevation five-needle pines in British Columbia, Washington, Oregon, and California. The program includes speakers, organized debate, contributed papers and posters, and field trips. Conference information and Call for Papers and Posters is available at www.fs.fed.us/r6/nr/fid/wbpine.

Siskiyou Field Institute Courses

To learn more about our courses or to reserve your place, visit our website, www.thesfi.org, or call 541-592-3777.

Smith River Discovery Weekend August 25 – 27, Del Norte County, California

Discover the wild and scenic Smith River. Explore the river's clear turquoise waters, which provide habitat for wild salmon. Camp at beautiful Rock Creek Ranch, snorkel with native fish, explore the unique geology and botany of the area, and visit redwood forests. Tuition: \$150.

Klamath River Traditional Ecological Knowledge Raft Trip September 7 – 10, Near Happy Camp, California

Leave the modern world behind and drift back in time. Join biologist Frank Kanawha Lake on a three-day river trip on the beautiful Klamath River. Frank will share his understanding of the implications of historical indigenous environmental land and water management practices on biodiversity across the landscape. Tuition: \$410.

Mushrooms! October 27 – 29, Deer Creek Ranch near Selma, Oregon

An introduction to the mushrooms (edible and non-edible) of Pacific Northwest forests, with an emphasis on field identification, and each species' ecology: preferred habitat, role in the forest, life cycle, etc. Tuition: \$125.

NPSO Members Enjoy 2006 Annual Meeting in McMinnville

by Kareen Sturgeon, Cheahmill Chapter

It was one of those lovely late spring weekends. About 100 NPSOers gathered for the 2006 Annual Meeting, which was held at Linfield College in McMinnville June 9–11 and was hosted by the Willamette and Cheahmill Chapters. Mild temperatures and a cloud cover made for great field trip weather.

Wilbur Bluhm escorted a group of 13 to Mt. Hebo where they saw

two rare plants, *Anemone oregana* var. *felix* and *Erythronium elegans*. They also visited a meadow that is home to the endangered Oregon silverspot butterfly and its host plant *Viola adunca*. They located a population of crown vetch, *Securigera varia*, documenting its northernmost occurrence (to-date) in Oregon and first sighting in Tillamook County.

Rob Kimmich led a small group to Baskett Slough National Wildlife Refuge where they identified 46 species, including *Clarkia purpurea*, *Brodiaea coronaria*, and *Triteleia hyacinthina*. Robert Porath's group went to Yampo ACEC where they found a large number of *Cimicifuga elata* in addition to healthy populations of *Lupinus sulphureus* var. *kincaidii*, *Trillium albidum*, *Sidalcea campestris*, *Lilium columbianum* and a few *Corallorhiza maculata*.

Dave Hanson and Rob Tracey led some hearty souls on a scramble up a basalt ridge at The Butte ACEC to see a grove of 300 year old *Pseudotsuga menziesii*, some over 7.5' DBH. Then, they traveled a short distance to Deer Creek County Park, a wet prairie whose restoration is currently being managed by the Yamhill Basin Council. Among other species, the group identified *Wyethia angustifolia*, *Deschampsia cespitosa*, *Perideridia oregana*, *Lomatium dissectum*, and *Lupinus sulphureus* var. *kincaidii*.

Six NPSOers took a relaxing walk with Marilyn Karbonski through Airport Park where they saw many *Lilium columbianum* and benefited from Marilyn's expertise with lichens. From there, they visited the Gahr Farm where they spent several hours meandering through the many ponds and canals of a wetland area. They added 27 new species to the growing plant list for this site.

John Savage led a dozen members to the 150-acre Nature Conservancy Kingston Prairie Preserve where they were met by

TNC ecologist Greg Fitzpatrick who described the interesting restoration work being done there. The group identified 75 plant species, including *Erigeron decumbens* var. *decumbens*, *Delphinium oreganum*, *Lomatium bradshawii* and many more, and Rhoda Love was able to photograph the childhood homestead of William Cusick.

Kareen Sturgeon and 11 others went to the coast where they were met by TNC ecologist Debbie Pickering for a great hike on Cascade Head. As the group ate lunch and took in the spectacular views from the top, Debbie explained the complexities of managing this site for the Oregon silverspot butterfly, its host plant *Viola adunca* and for the federally-listed *Silene douglasii* var. *oraria*.

All in all, everyone spent a delightful weekend enjoying Oregon's native plants and habitats and learning about their conservation.

Nearby Nature Event

Fall New Volunteer Orientation September 12, Tuesday, 6:30–8 pm

Love nature? Enjoy kids? Learn all about leading school nature walks in Alton Baker Park in Eugene this fall as well as other Nearby Nature volunteer opportunities. No experience needed—free training provided. Meet from 6:30–8 pm at EWEB (500 E. 4th Ave., Eugene). For more information contact Nearby Nature at 541-687-9699 or info@nearbynature.org, or visit www.nearbynature.org.

Mt. Pisgah Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504 or visit www.efn.org/~mtpisgah.

Writing About the Land August 26 & 27, Saturday & Sunday, 10 am–3 pm

Join nature writer Carol Ann Bassett and explore the relationship between nature and culture. Topics include home places, native plants, rivers, forests, wetlands, ethnobotany and wildlife. Participants will read and discuss a selection of essays by prominent authors and write a 1,000-word personal nature essay that captures how we live in and relate to the land. Fee: \$45 (\$40 MPA members.) Reading materials provided upon registration.



Lilium columbianum, known as *Columbia* or *tiger lily*, is the most common lily in western Oregon. Its bright orange flowers are always a welcome sight.

TANYA HARVEY

A Weekend of Flowers in the Ochocos

by Tanya Harvey, Emerald Chapter

The Emerald Chapter of the North American Rock Garden Society is a group of gardeners and flower lovers from the Eugene and Corvallis areas. Each summer we try to spend a weekend exploring a different mountain area in Oregon. In early July this year, a group of 11 of us (including several who are also NPSO members) headed for the Ochoco Mountains, just east of Prineville. The Ochocos are a mix of cool conifer forest and open wildflower meadows that, although right in the center of the state, are not that well known outside the area.

At the suggestion of Stu Garrett of the High Desert chapter of NPSO, we stayed at the very pretty Deep Creek Campground just east of Big Summit Prairie, situated in a beautiful ponderosa pine forest. Although the main season of bloom had passed at that elevation, we were surprised at how much was in flower just in the campground and along the creek, includ-

ing large lavender patches of *Erigeron* (*peregrinus*?), lovely white clumps of northern bedstraw (*Galium boreale*) much showier than its inconspicuous westside relatives, the strange low-growing elk thistle (*Cirsium scariosum*), and the rare endemic Peck's mariposa lily (*Calochortus longebarbatus* var. *peckii*). A district plant list provided by Forest Service botanist Mark Lesko helped in our attempts to identify many unfamiliar plants. Thanks also to John Koenig of Emerald chapter who gave me a copy of butterfly, bird and plant lists he'd made from his trips to the Ochocos. Our campground host was a terrific, feisty 80-year-old woman named Jeanne Gammel. She lives there half the year (spending winters along the southern coast) and was a wealth of information on the area and its plants, especially their ethnobotanical uses.

The weather was gorgeous as we headed out Saturday morning to Lookout Mountain, the highest point in

the Ochocos at 6926'. There are many possibilities for trail routes, but we followed Bill Sullivan's directions in *100 Hikes/Eastern Oregon* and started at the Independent Mine trailhead. The relatively gentle 7-mile loop trail begins in shady forest with many familiar understory plants like queen's cup (*Clintonia uniflora*) and baneberry (*Actaea rubra*). Soon the terrain opens up to large meadows with plenty of wildflowers to keep us happy. While we had obviously missed an early season show of balsamroot (*Balsamorhiza sagittata*) and Brown's peony (*Paeonia brownii*), there were many penstemons (*P. speciosus* and *gairdneri* among others), paintbrushes (*Castilleja applegatei* and others), bright yellow patches of *Helianthella uniflora* whose flower heads face the sun, and beautiful pinky-purple tapertip onions (*Allium acuminatum*). Our timing was also perfect for a glorious show of lupines of several species including silvery lupine (*Lupinus argenteus*).



TANYA HARVEY

*The white flower stalks of roundleaf alumroot (*Heuchera cylindrica*) line the cliff edge at the top of the well-named Lookout Mountain. The expansive view takes in much of central Oregon and most of the High Cascade peaks.*

One highlight (for me at least) was the discovery of several caterpillars of what were probably silvery blue butterflies (*Glaucopsyche lygdamus*) which were being tended by ants while eating lupine seedpods. I'd read about the complex symbiotic relationship of some blue species to ants, but had never seen it in person. Ants get honeydew excreted by the caterpillars and in return they protect the caterpillars from other insects and in some species the ants may even bring the caterpillars into their dens to feed on their larvae.

When we reached the top, the clear skies allowed us to see the entire valley stretched out in front of us as well as many of the High Cascade peaks. On my previous two trips to the mountain the sky had been obscured first by smoke from a forest fire and then by clouds, so it was a real treat to finally see the spectacular view. The rockier summit area was filled with the low-growing, rock-loving plants treasured by rock gardeners including a number of buckwheats (*Eriogonum* spp.), sedums (*S. lanceolatum* and *S. stenopetalum*), King's sandwort (*Arenaria kingii*) and a short yellow paintbrush (*Castilleja oresbia* or *C. thompsonii* perhaps). We also admired the showy red-splashed seed pods of balloon milk-vetch



Ella, the youngest member of our group, seen here admiring skyrocket (*Ipomopsis aggregata*), enjoyed her outing, but was unimpressed with her parents' knowledge of latin names.

(*Astragalus whitneyi*). The cliffs at the edge of the summit were decorated with more penstemons, roundleaf alumroot (*Heuchera cylindrica*) and the stunning purple flowers of silky phacelia (*Phacelia sericea*).

Sunday we took a more relaxed approach, beginning the day with a short walk across the road to see gorgeous elegant death camas (*Zigadenus elegans*) in perfect bloom along a creek. From there we drove to the southeastern corner of Big Summit Prairie to see what we could find. Big Summit Prairie is famous for its spring show of white and yellow mule's-ears (*Wyethia helianthoides* and *W. amplexicaulis*). So late in the season we didn't think we would see much, so a huge swath of cobalt blue meadow larkspur (*Delphinium burkei*), brilliant red skyrockets (*Ipomopsis aggregata*) and large patches of showy downingia (*Downingia elegans*) in dried up vernal pools were happy surprises. Buds of sagebrush mariposa lily (*Calochortus macrocarpus*) proved that the summer had still more to offer.

With the long drive ahead, only a few of us made the last stop to a roadside meadow filled with false hellebore (*Veratrum californicum*) on the western end of the Prairie. We saw a number of additional species including western jacob's ladder (*Polemonium occidentale*), more beautiful species of paintbrush (*Castilleja miniata* and *parviflora*) and, what might have been the highlight of the weekend, hundreds of big pod mariposa lilies (*Calochortus eurycarpus*), their large, burgundy-splotched, white flowers waving in the wind. What a terrific way to end a great trip. I can't wait to get back to the Ochocos to see the earlier show!

Volunteers Needed!

The Institute for Applied Ecology in Corvallis and the RESTORE Partnership are seeking volunteers to assist with our Threatened and Endangered Species Reintroduction and Education program. We need help cleaning the seeds of Kincaid's lupine, Willamette daisy, and Nelson's checkermallow as well as many other common natives to prepare them for grow-out programs in local schools. For more information, contact Jen Cramer at 541-753-3099 or jcramer@peak.org.



Butterflies can be abundant in the Ochocos. Here two fritillaries have chosen to nectar on fleabanes passing over the nearby buckwheat, another butterfly favorite.

TANYA HARVEY

TANYA HARVEY

Stalking the Ancient Asparagus

continued from page 79

plants of *S. porrifolia* near Agness, but farther up the road! However, somehow he didn't know I needed samples, so all he took was pictures. But I wasn't ready to give up on getting fresh samples, and neither was Veva. Although she herself began suffering from a bad back, she enlisted two other local friends, Barbara Mumblo from the Forest Service, who rechecked both bona fide Agness sites to no avail, and photographer Don Heller, who finally found some budding plants at the 'wrong' site I'd checked in the rain initially; Don did collect some samples for Veva to send on to me. Then about a week after I got home, I received a small envelope in the mail with this note: "Enclosed are flower + a leaf S. Por. Luv, Agnes" from a joking British NOC member who had later gone to the 'right' Agness site. These three Oregon samples, together with ones another volunteer and I collected

separately down in California, are being processed, sequenced, and compared to all other *Spiranthes* now. Soon we will know if Baker's sample was right, if there is a gradation in the relatedness of *S. porrifolia* along the West Coast, or if one original sample was a case of mistaken identity.

By the way, all orchids are ancient relatives of the Asparagales (asparagus) family, as shown genetically by scientists at the Kew Royal Botanical Garden in England. Can you see the resemblance to asparagus in the photo of budding *S. porrifolia* taken near Agness, Oregon?

*Lucy Dueck has an M.Sc. and works as a Research Professional in Molecular Ecology at Savannah River Ecology Laboratory, a field outpost of the University of Georgia on the Savannah River Site near Aiken, SC. Her *Spiranthes* molecular phylogeny project was partially funded by a grant from the American Orchid Society.*



STEFAN AMBS

*Budding *Spiranthes porrifolia*, taken at the 'right' site near Agness OR, resembling its ancient relative—asparagus*



MARK LAROCQUE

*The *Spiranthes porrifolia* from Agness OR in 1993 (L), and *S. infernalis* from NV in 2003 (R), were similar in appearance.*



LUCY DUECK

*Intrepid local botanical guides Kay Butler and Veva Stansell, who helped me search for *Spiranthes porrifolia* in Baker's original site near Agness OR.*

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DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

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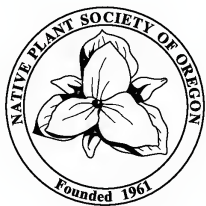
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This summer, the Oregon Flora Project will be sharing with the public several features that have been the focus of our efforts for quite some time. For the Oregon Vascular Plant Checklist, we have compiled the changes that each author proposes in their taxonomic treatment of a genus, and will submit these to the Checklist Advisory Board and Checklist

Project Leaders for their feedback. This will allow us to produce a draft of the Checklist detailing all Oregon plants, their accepted names, and their synonyms; this will be available on our website. The Atlas will also see progress: we will also be uploading over 30,000 new records to the Atlas database and implementing some minor improvements to the mapping program.

We were recently awarded \$10,000 from OSU's General Research Fund to fund a proposal to complete the Poaceae (Grass Family) component of our morphology database. We are especially pleased, as this represents the first direct support from the University in the twelve years of the project's existence.

Your financial support is always appreciated and welcomed. A few copies of *Ever Blooming: The Art of Bonnie Hall* remain as acknowledgements of gifts of \$300 or more. Contributions of any amount can be made out to NPSO, with "OFP" on the memo line, and mailed to: P.O. Box 402, Corvallis, OR 97339-0402.



www.oregonflora.org



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 9

OCTOBER 2006

Essential Components to Managing and Monitoring for *Phytophthora ramorum*

by Norm Dart (normdart@wsu.edu) and Dr. Gary Chastagner (Chastag@wsu.edu), reprinted with permission from the authors

Phytophthora ramorum, the causal agent of sudden oak death and ramorum foliar blight, has killed tens of thousands of tan oaks (*Lithocarpus densiflorus*), California black (*Quercus kelloggii*), and coast live oaks (*Quercus agrifolia*) along the central coast of California and infected areas continue to expand in some counties. In the summer of 2003, *P. ramorum* was discovered outside of California, killing tan oaks in an isolated pocket in south-western Oregon.

P. ramorum is currently not thought to be established in the Washington landscape, but has been detected in 33 western Washington nurseries since the summer of 2003. In addition it was isolated three times from a seasonal stream as far as 75 feet down from an ornamental nursery on the Kitsap peninsula from which soil below containerized plants tested positive for *P. ramorum* during previous surveys conducted by the Washington State Department of Agriculture (WSDA). The three stream samples were detected in early 2006 by the WSDA, using the "rhododendron baiting technique" in which rhododendron leaves are submerged in stream water for several days. While submerged under water, spores of *P. ramorum* will colonize leaves if they come into contact with them. Colonized leaves are then isolated by placing pieces of infected leaves on selective media. The WSDA has intensified monitoring of the stream

and surrounding landscape and nursery on the Kitsap peninsula for *P. ramorum* and currently there have been no reports of any wild land plant infections.

P. ramorum is believed to be an exotic pathogen that has recently been introduced to North America and Europe. USDA Animal Plant Health Inspection Service (APHIS) has imposed restrictions on the movement of hosts of *P. ramorum* from Washington, Oregon, and California nurseries to try and minimize the unnatural spread of this disease through the movement of infected plants in the nursery industry. In 2005, 16 plant species were added to the USDA-APHIS host list (www.aphis.usda.gov/ppq/ispm/pramorum). Currently there are over a 100 proven and associated hosts of *P. ramorum* from 16 different plant families. Some of the native Northwestern plants currently on the USDA-APHIS proven and associated *P. ramorum* host list include: rhododendron, viburnum, big-leaf maple, vine maple, madrone, grand fir, Douglas-fir, and pacific yew.

As the list of regulated hosts continues to expand, this pathogen continues to be detected in Washington nurseries, even after some of these nurseries have gone through a USDA APHIS compliance program and have been certified to be free of the pathogen. There is a real danger that this organism will spread from nurseries into Washington's natural and urban landscape if the proper precautions are not

taken. Such an outbreak could trigger a series of quarantines that would have very serious impacts on the state's horticulture and forestry industries. Not only would costly eradication procedures and crop destruction be required, but these industries would be severely crippled by restrictions on export and intrastate shipment of product. The destruction of infected plant material in nurseries has already caused economic losses to the nursery industry in California, Washington, and Oregon.

We recently completed a study in which we estimate that *P. ramorum* eradication efforts in Washington state in 2004 and 2005 have required

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Native Plant Society of Oregon

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tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

Rare & Endangered Plants Committee

Oregon has ten species on the Federal list of R&E plant species and 29 on the State list (with nine overlaps). The state-wide R&E Committee wishes to monitor these species and to determine which additional species warrant listing. We would like to develop educational programs that describe the state's flora and to increase our conservation activities by providing appropriate and specific information about local plants to city and county committees on management, planning, and parks and recreation.

If you are interested in learning more about R&E plants and helping to increase public awareness of our wonderful flora, contact Les Gottlieb (Siskiyou Chapter) at leslie@ashlandhome.net or 541-488-0731.

Errata

In Lucy Dueck's article on *Spiranthes porrifolia* in the August/September issue, William Baker's middle initial was listed incorrectly as T instead of H (for Hudson). William Hudson Baker (1911-1885) was born in Oregon, educated at OSU, and collected hundreds of specimens in our state. You can read a short biography of Baker by Rhoda Love in the October *Oregon Flora Newsletter*.

In Tanya Harvey's article on the Ochocos, several plants were misidentified. Dr. Ken Chambers of OSU pointed out that *Downingia elegans* is a species not known east of the Cascades. The plants in the Ochocos are actually *D. bacigalupii* (see below). Mark Egger, a Castilleja expert, thinks it is unlikely there is *Castilleja parviflora* in the Ochocos. Thanks for all the corrections—this is how we learn!



TANYA HARVEY

Bacigalupi's downingia (*Downingia bacigalupii*) is named after Dr. Rimo Bacigalupi, long-time curator of the Jepson Herbarium at Berkeley. It is differentiated from the similar westside species, *Downingia elegans*, by the large egg-yolk-yellow blotches in the center of the lower lip. *D. elegans* has only white on the lower lip.

State

October 14, Saturday, 10 am – 2 pm

State Board Meeting: The Siskiyou Chapter will host the next quarterly state board meeting at Deer Creek Center in Selma. All members of NPSO are welcome. From I-5, take exit 55 or 58 at Grants Pass. Selma is about 25 miles SW of Grants Pass on Hwy 99. Just south of the Selma Market (now Ray's Market), turn right (west) on the Illinois River Road. Deer Creek Center is at 1241 Illinois River Rd., about one mile west of Selma. DCC is an educational facility newly purchased by a consortium of Siskiyou Field Institute, Southern Oregon University and Rogue Community College. After the business meeting, there will be an optional field trip to see Brewers oak on serpentine and a *Darlingtonia* fen about 2 miles farther along the Illinois River Road. For further information, consult the SFI website (www.thesfi.org) and click on "Deer Creek Center."

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

October 26, Thursday, 7 pm

Meeting: Little Shops of Horror: Oregon's Carnivorous Plants. Charlene Simpson, a charter member of the Emerald Chapter, will give a slide show on the lures and traps of flesh-eating plants found in Oregon's bogs and fens. Carnegie Room, McMinnville Library, 225 NW Adams St. For more info contact Susan at 503-538-1865 or helgesusan@comcast.net. See Cheahmill Chapter website: www.oregon-native-plants.com

November 25, Saturday, 1 – 4 pm

Field Trip: Mushroom Foray. Dr. Jack Murphy of the Linfield College Biology Department will lead a mushroom foray for both adults and their children on Saturday, November 25, at a location near McMinnville to be determined. This is the Saturday after Thanksgiving, so plan to walk off some of those calories while enjoying nature and whatever the rain brings! See the November *Bulletin* for more details. For information, contact Marna Porath at 503-835-1042 or marna@onlinemac.com.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

Corvallis

October 7, Saturday, 10 am

Work Party: Avery House Native Plant Garden. Meet at the Avery House and bring your gloves, shovel, clippers, buckets and lots of energy. We will do a fall cleanup of the garden and offer cuttings, divisions and plants from the garden. We'll work till noon. Bring something to share for a potluck lunch. Do not forget your raincoat. Call Esther McEvoy for more information or if you plan to come. 541-754-0893.

October 9, Monday, 7:30 pm

Meeting: A Brief Photo Essay of Hawaiian Endemic Flowering Plant Genera. Dr. Gerald Carr, formerly a professor of plant systematics at the University of Hawaii, will share his many years of Hawaiian plant research. Dr. Carr is now a resident of Oregon and will be taking an active role in the Oregon Flora Project. This is a talk not to be missed. Also come to learn about what we have planned for the upcoming year. Avery House, Avery Park, Corvallis. For more information contact Matt Blakeley-Smith at 541-752-1091.

October 27, Friday, 8 am

Field Trip: Mushroom Hike. Dan Luoma will lead this trip that you won't want to miss. Whether you are a novice or an experienced mushroom enthusiast, this trip with our knowledgeable expert will help improve your identification skills. Trip location depends on the weather and fungi abundance. Bring rain gear, wax paper and lunch. Meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 8 am. For more information contact Dan Luoma at 541-752-8860.

Emerald

Please note all Emerald Chapter presentations will now be held at the Eugene Water and Electric Board Training Room at 500 East 4th Avenue in Eugene. From the Fifth Street Market go one block north and one block east. For more info call David at 541-746-9478.

October 16, Monday, 7:30 pm

Meeting: Planning Native Plant Restoration for Public Parks. Pat French, Willamalane Parks Planner, will describe invasive species control and restoration strategies for Eastgate Woodlands and other public recreation settings. 7:30 pm, EWEB Training Room, 500 East 4th Avenue, Eugene.

November 20, Monday, 7:30 pm

Meeting: Iron Mountain: Subtle Habitat Differences Equals Greater Floral Diversity. Bob Ross, retired Professor, Linn-Benton Community College, will use beautiful photography to point out that subtle differences can help us see flowers we often miss. 7:30 pm, EWEB Training Room, 500 East 4th Avenue, Eugene.

High Desert

For information on the High Desert Chapter call Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

Thursday, October 12, 7:30 pm

Meeting: Annual Meeting Planning. Committee assignments, field trip options and other duties assigned by Mike Igo. The Commodore Building, Downstairs Conference Room, 3rd & Court Street, The Dalles. For Information Call 541-905-3187.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl at 503-842-8708.

Portland

October 12, Thursday, 7 pm

Meeting: Nevada High Country. Jan and Dave Dobak will show and tell about the botanical wonders of the Ruby Mountains and Great Basin National Park (Wheeler Peak) in northeastern Nevada. The trails begin at 9000 feet and climb higher. Room #202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

Siskiyou

October 19, Thursday, 7:30 pm

Meeting: O, Pioneers! Our Early Northwest Plant Collectors. Eugene Botanist Rhoda Love will introduce a special group of pioneers such as Almeta Barrett, William Cusick, Lilla Leach and Wilhelm Suksdorf. During the 1800s and early 1900s, these pioneer botanists searched the Northwest for new plant species identifying and collecting thousands of specimens. An inspiring and lively speaker, Dr. Love taught botany at Lane Community college for more than 30 years. In 1980, she received a doctorate from the University of Oregon. Room 171 of the SOU Science Building, Ashland. For more information, contact Alex Maksymowicz, 541-482-1964

Umpqua Valley

October 12, Thursday, 7 pm

Meeting: Speaker to be announced with business meeting to follow the presentation. Mercy Community Education Center, 2459 Stewart Parkway, Roseburg. For information call Sam Friedman at 541-673-0589.

October 22, Sunday, 9 am

Field Trip: Dread and Terror Segment of North Umpqua Trail. Come join us for a hike along the Dread and Terror portion of the North Umpqua Trail near Lemolo Lake. Expect to see brilliant fall colors, mosses, lichens, and early fall fungi. Meet in the NE corner of the parking lot behind the Douglas County Courthouse, west of Fowler Rd., between Hwy. 138 and Douglas Ave. in Roseburg. Bring rain gear if needed. For more information call trip leader Sam Friedman at 541-673-0589.

Willamette Valley

October 19, Thursday, 7 pm

Program: Introduction to Nature Journaling. Using art and narrative to record observations and feelings in a nature journal can be a powerful way to learn about the world around you. Marilyn Karbonski, Cheahmill Chapter member, who has taught and lectured on field journals for 17 years, will provide a how-to introduction to writing, sketching and painting observations and experiences in the natural world. This special program



Sitka clubmoss (Diphasiastrum sitchense formerly Lycopodium sitchense) is an uncommon plant found mainly near small mid-to high elevation wet spots in the Cascades.

TANYA HARVEY

is co-sponsored by the Willamette Chapter and the Friends of the Straub Environmental Learning Center as part of the Amateur Naturalist series. 7–8:30 pm at Straub Environmental Learning Center, 1320 A St. NE, Salem 97301 (next to Olinger Pool and near North Salem High). Free and open to all. For more information, call 503-399-8615.

October 28, Saturday, 9 am – 2 pm

Work Party: Planting at Straub Environmental Learning Center. The Willamette Chapter and the Friends of the Straub Environmental Learning Center are co-sponsoring a work party to plant native flowers, shrubs and grasses around the Straub Environmental Learning Center at 1320 A St. NE, Salem (next to Olinger Pool and near North Salem High). Bring gloves and equipment (picks and shovels). For more information, contact Jon Yoder at 503-391-4145 or John Savage at 503-399-8615.

November 2 and 9, Thursdays, 7 – 8:30 pm

Program: Oregon's Native Conifers.

Oregon is home to nearly 30 species of native conifers. Wilbur Bluhm, professor emeritus of the Oregon State University Extension Service and horticulture expert on plant species native to Oregon, will teach a short course about our native conifers. In this two part session, participants will learn about the uses, distribution and status of conifers and how to identify them. The class, which may include a field trip on a date to be announced, will be held at the Straub Environmental Learning Center, 1320 A St. NE, Salem (next to Olinger Pool and near North Salem High). The class, part of the Amateur Naturalist series, is co-sponsored by the Willamette Chapter and the Friends of the Straub Environmental Learning Center. Free and open to the public. For more information, call 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S–XL, short sleeve **\$15 plus \$5 shipping.** To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



OTHER EVENTS

Tualatin Hills Nature Park Fall Native Plant Sale

October 7, Saturday, 10 am – 2 pm
15655 SW Millikan Blvd.,
Beaverton

Fall is the perfect time to plant natives. Select from a wide variety of trees, shrubs and flowering plants in all price ranges for every spot in your garden! Check the Tualatin Hills Nature Park web site, www.thprd.org for "Plants for Sale Guide" or call 503-629-6350 for more information.

Siskiyou Field Institute Courses

To learn more about courses or to reserve your place, visit www.thesfi.org or call 541-592-3777.

Mushrooms!

October 27 – 29

Deer Creek Ranch near Selma

NPSO president David Lebo will teach this introduction to the mushrooms (edible and non-edible) of Pacific Northwest forests, with an emphasis on field identification, and each species' ecology: preferred habitat, role in the forest, life cycle, etc. Tuition: \$125.

North Mountain Park Nature Center Events

620 N Mountain Ave., Ashland

To get more information and to register, call 541-488-6606 or visit <http://ashland-parks.recware.com> or www.ashland.or.us/northmountainpark.

Bear Creek Salmon Festival

October 7, Saturday, 11 am – 4 pm

This FREE event will offer activities for all ages and show participants some ways in which they can help protect and enhance salmon habitat—including water and energy saving ideas. Learn about local salmon habitat conservation and restoration efforts, and observe wild salmon up close and personal with the Oregon Department of Fish and Wildlife's 350 gallon salmon tank! Biologists will be on-hand to answer 'fishy' questions. For more information call the Nature Center or visit www.BearCreekSalmonFestival.org.

Nature Drawing w/Irene Brady

October; 14, 21 & 28,

Saturdays, 9:30 am – 2:30 pm

Join local author and artist Irene Brady for a mini series in Nature Drawing. Irene has worked as a scientific illustrator for National Fish and Wildlife Service Forensics Lab, has illustrated for *Ranger Rick* Nature Magazine and has written and illustrated several award winning books. You will take home a step-by-step workshop guide, bound with several pages of sketchbook paper. \$95 for the series (includes all materials). Ages 12 and up. Register online or call the Nature Center.

Butterflies of Eastern Oregon Talk

Mysteries and Marvels from the Other Side:

Butterflies and Habitats of Eastern Oregon

October 2, Monday, 7 pm refreshments, 7:30 pm Presentation

North American Butterfly Association Eugene-Springfield Science Advisor, Neil Bjorklund will share photos and stories from his extensive travels in the mountains, deserts, and canyons of Eastern Oregon in search of the weird and wonderful world of butterflies. You will meet many of these butterflies as well as the stark and beautiful landscapes they inhabit. Hold onto your hat, and watch out for rattlesnakes as Neil quips and trips his way through the Oregon that's NOT rainy and green! EWEB Training Center, 500 East 4th Ave., Eugene. Free and all are welcome.

Wildflowers of the Wasatch

October 10, Tuesday, 7 pm

Medford Congregational United Church of Christ
1801 E. Jackson St., Medford

The Siskiyou chapter of the North American Rock Garden Society (NARGS) will host NPSO *Bulletin* editor Tanya Harvey who will show slides of the fabulous wildflower display at this summer's NARGS meeting in the Wasatch Mountains of Utah. The Wasatch mountains are just outside of Salt Lake City and provide an amazingly accessible way to see alpine and subalpine flowers which were abundant this year. Free and open to the public. For more information contact Phyllis Gustafson at 541-664-1775.



TANYA HARVEY

Helianthella uniflora and lupines near Alta, Utah.

ORNHIC Triennial Review of Rare Plants

October 20, Friday, time TBA
Bexel Hall, Room 323, Oregon State University

The triennial review of rare plants (vascular and nonvascular) and fungi for the upcoming 2007 edition of Oregon Natural Heritage Information Center's (ORNHIC) booklet *Rare, Threatened and Endangered Species of Oregon* will be held on Friday, October 20 on the Oregon State University campus, Bexel Hall, Room 323. While the exact time and agenda have not been finalized, we anticipate the meeting lasting from mid-morning to mid-afternoon. We will post the final agenda with starting and ending times on the ORNHIC website (<http://oregonstate.edu/ornhic>) at least a month prior to the meeting. At our website you can also review the current edition (2004) of the booklet under "Publication and Reports" or "Biodiversity Data."

To be discussed are plants and fungi that have been nominated for addition to or removal from the ORNHIC list, changes in the list placement of species already on one of the lists, changes to a species' Heritage rank and any other comments participants wish to offer.

Please send your recommendations and comments prior to the meeting to Sue Vrilakas (Sue.Vrilakas@oregonstate.edu, 503-731-3070 x105), or John Christy (John.Christy@oregonstate.edu, 503-731-3070 x108). John is the lead for nonvasculars and fungi and will be coordinating information for those species. If you are recommending changes, please include a brief paragraph with the reason for your recommendation. More detailed information may be required and asked for later. A summary of recommendations and comments will be posted on the ORNHIC website and discussed at the meeting. You don't have to send information prior to the meeting—you or someone else may bring it up during the meeting.

If you have further questions, please contact either John or Sue at the Oregon Natural Heritage Information Center, 1322 SE Morrison St., Portland, OR, 97214.



TANYA HARVEY

Umpqua mariposa-lily (*Calochortus umpquaensis*) is a rare endemic of serpentine soils in Douglas county. Its large white flowers have a distinctive deep purple splotch at the base of the widely-spread petals. It blooms in May and early June. Due to its small range and occurrence on unprotected land, it is ranked in the Oregon Natural Heritage Information Center's booklet *Rare, Threatened and Endangered Species of Oregon* as G1, S1: endangered both globally and statewide. You can find out more about some of Oregon's endangered plants at ORNHIC's website at <http://oregonstate.edu/ornhic/plants/index.html>.

Mt. Pisgah Events

34901 Frank Parrish Rd. (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504 or visit www.efn.org/~mtpisgah.

Autumn Elder Walk **October 7, Saturday, 1 – 3 pm**

Join Nature Guide Harold Schyberg on a gentle autumn stroll through the Arboretum. Refreshments provided. Meet at the Arboretum Visitor Center, rain or shine. Suggested donation: \$4 (MPA members free!)

Herbal Remedies Workshop **October 14, Saturday, 10 am – Noon**

Join local herbalist Sue Sierralupé and learn to identify medicinal autumn plants for the treatment of human and pets. Learn to make a tincture from Oregon grape root (*Mahonia* or *Berberis* spp.) This class is geared towards students that have a general understanding of herbal medicine. Fee: \$20 (\$15 MPA members.) Pre-Registration is required.

Willamette Valley Fall Ecology Walk **October 15, Sunday, 12 – 2 pm**

Join botanist Dr. Rhoda Love on an autumn hike along the trails of the Arboretum and Howard Buford Park. Learn about the ecology and natural history of the Southern Willamette Valley. Refreshments provided. Meet at the Arboretum Visitor Center, rain or shine. Suggested donation: \$3 (MPA and NPSO members free!)

Mushroom Festival and Plant Sale **October 29, Sunday, 10 am – 4 pm**

Don't miss our annual fall celebration of mushrooms and the harvest season, co-presented by Mount Pisgah Arboretum, the Cascade Mycological Society and Lane Community College. This event is one of the largest mushroom displays on the West Coast, a huge plant sale, a scarecrow contest, children's activities, hayrides, craft vendors, incredible mushroom-inspired food, fresh cider, music, wine, and more! Suggested donation: \$5/person or \$10/family. MPA members free!

Berry Botanic Garden Events

11505 SW Summerville Ave., Portland. To register or to get more information, visit www.berrybot.org or call 503-636-4112x102.

Colorful Trails - Great Fall Hikes in the Pacific Northwest

October 3, Tuesday, 7–9 pm

Hiker, backpacker and award-winning author Douglas Lorain shares his decades of experience through a colorful slide show captured on trips in the Pacific Northwest. Discover some of our area's best kept secrets—where to see hillsides covered with quaking aspens, western and alpine larches, huckleberries, maples, and other fall-color specialists. \$10 (\$8 for BBG members).

Silver Star Mountain Hike

October 5, Thursday, 9 am–4 pm

Re-vegetation of this peak in the Gifford-Pinchot Forest has been slow, due to a history of fires. In the fall, this means a fabulous show of vine maples, huckleberry bushes and other colorful shrubs. The drive includes a rough stretch of road, but the color and the nearly 360° view make it all worth it! Moderate hike of 5 miles, 1000' elevation gain. Free, donations welcome.

Cultivating Captive Carnivores

October 12, Thursday,

Scott Vergara will show you how to create a suitable (and beautiful) habitat for growing our native cobra lilies and sundews, as well as Venus flytraps, Sarracenias (hardy pitchers) and other intriguing insectivorous plants. Make a nighttime visit to our bog gardens and take home knowledge of the essentials for cultivating these creepies in your garden or windowsill. Take home a free plant. \$12 (\$10 for BBG members).

Naturescaping for Clean Rivers

October 15, Sunday, 1–5 pm

Gardening with native plants, natural landscapes, and healthy gardening practices, uses less water and fewer chemicals, reducing runoff and pollution. Native plants attract birds and butterflies and require less time and energy for their care. This class will help you to make informed choices about what you plant, where best to plant it and how to care for it. You'll receive a

free workbook and native plant to take home. Rain or shine, we'll go outside to study plants in the garden. Free, but pre-registration is required. E-mail naturescaping@yahoo.com or call 503-797-1842. Include your e-mail address, name, address (& zip code) and phone number.

Fall Fungal Hike

October 19, Thursday, 9 am–3:30 pm

Maggie Rogers will combine a solid introduction to the fungi and lichens in the Gifford-Pinchot Forest in SW Washington with a moderate hike on the Pacific Crest Trail and a wealth of fall color. Donations welcome.

Introduction to Botanical Art and Illustration

November 18-19, Saturday and Sunday, 9:30 am–3:30 pm

Raised in Paris, Catherine Watters now lives and teaches in San Francisco, where she documents plants at the Filoli estate garden and serves on the Board of the American Society of Botanical Artists. In this two-day workshop she draws from her extensive artistic education and experience, beginning with a brief history of Botanical Art and moving into an introduction to the time-honored methods of plant illustration. \$150 (\$120 for BBG members).

Seeing Double: Employers are Matching Your Donation Through Earth Share

Wouldn't you love it if you made a \$100 donation to NPSO and it suddenly became \$150, or \$200? That is exactly what happens when employees of numerous companies donate through Earth Share of Oregon giving campaigns.

Firms that match employees' donations through Earth Share of Oregon are:

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Portland General Electric
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If you work at any of these companies, consider donating to NPSO through Earth Share—your donation will be increased up to 100% without any extra effort from you. And, by giving through payroll contribution, you can give any size gift and spread the payment out over a year's time. No checks to write or credit card numbers to give out...the money is just donated from your paycheck. You can still designate your dollars to come to us—and, when they reach us, there will be many more dollars supporting the programs you love!

To learn more about Earth Share of Oregon and its workplace giving campaigns, contact Ron Shoals at 503-223-9015 or ron@earthshare-oregon.org.



Earth Share
OF OREGON

Managing and Monitoring for *Phytophthora ramorum*

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32 nurseries to destroy 17,266 containerized plants worth a retail value of \$423,043. This means that, on average when *P. ramorum* is detected in a Washington nursery, mitigation efforts require each nursery to destroy \$13,200 worth of plants. These estimates do not take into account additional expenses incurred by the nurseries such as disposal fees, labor costs, and in some instances, soil fumigation.

Diseases caused by *P. ramorum*

It is important to understand that *P. ramorum* does not affect all hosts the same way and some hosts are potentially more important to the spread of this disease organism than others. There are two major diseases caused by *P. ramorum*: (1) sudden oak death, and (2) ramorum foliar blight. Sudden oak death is a disease of members of the red oak group (e.g. live oak, and California black) and tan oaks. This disease develops when *P. ramorum* infects the stem of a tree, causing cankers, which girdle and kill mature trees. Members of the white oak group generally do not develop sudden oak death, including the Washington and Oregon native Garry oak (*Quercus garryana*). Ramorum foliar blight occurs on most other non-oak hosts including conifers, broad leaf plants, and herbaceous plants. Symptoms of this disease include brown lesions on leaves, and shoot-tip dieback. On certain foliar hosts such as California bay laurel and tan oak *P. ramorum* is a prolific spore producer, which seems to be crucial for disease spread and establishment in California forests. Spores produced by these epidemiologically important hosts spread by wind driven rain splash and mist that shower the bark of oak hosts, and the foliage of other hosts below in the understory where they germinate and cause disease. To date extensive *P. ramorum* wild land infestations have been reported in forest communities with associated epidemiologically important hosts such as tan oak (CA & OR), California bay laurel (CA), and/or

coast redwood (CA). It is currently not known if other hosts can produce spore loads capable of sustaining *P. ramorum* and associated diseases in regions of the Pacific Northwest outside of the native range of tan oak, California bay laurel, or coast live oak.

Although aerial dispersal through wind driven rain is known to play an important role in the dispersal of this pathogen, there is still a lot that is not understood about the biology of this organism. Recent laboratory and field research has shown for example, that chlamydospores produced by this organism can persist in a diversity of soil types (sand or potting mix) for over 650 days (Nina Shishkoff, USDA Agricultural Research Service); rhododendron roots have been infected under laboratory conditions (Jennifer Parke, Oregon State University); and *P. ramorum* has been isolated from streams in watersheds that have no known wild land infections or have been managed extensively to eradicate the pathogen (Everett Hansen, OSU). All of these findings force plant pathologists, regulators, and land managers to realize the potential importance of soil

inoculum, and root/vasculature infection in the establishment and dispersal of this organism in the native and urban landscape and within nurseries.

WSU Research

With all that is currently not known about this exotic plant pathogen, and the potentially devastating effects it could have on the ecosystem, and economy of Washington state, research and outreach on this pathogen is essential to increase the effectiveness of eradication efforts and to minimize its spread, especially into to our wild lands. Plant Pathologist Gary Chastagner of Washington State University (WSU) Puyallup Research and Extension Center has been actively developing a research and education program during the past three years to help Washington agricultural and forestry professionals cope with *P. ramorum*.

In response to industry concerns, Gary Chastagner secured funding from WSU to build a new, quarter million dollar biocontainment facility at Puyallup, which was completed this winter. This facility will greatly increase

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NORM DART

Lesion on a camellia leaf caused by Phytophthora ramorum, note how the lesions (in the upper right corner) have begun to spread along the mid ribs of the leaf.

Managing and Monitoring for *Phytophthora ramorum*

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the capacity of WSU to address critical research questions relating to the establishment, spread and management of this pathogen. Additional funding has also recently been secured to purchase equipment for WSU Puyallup that will enable researchers to conduct molecular tests relating to the detection, spread, and genetics of *P. ramorum*.

Additionally, Dr. Chastagner initiated a research project this past spring to examine factors influencing *P. ramorum* infection in Christmas tree plantations with funding provided by a two-year USDA Forest Service grant. Work on this project is occurring at the Black Road Christmas Tree Farm near Los Gatos, CA. This is a 23-acre U-cut Christmas tree farm that was established in 1966. Conifers being grown at this site include Douglas-fir, grand fir, giant sequoia, scotch pine, white fir, and California red fir. Some known *P. ramorum* hosts in the forest adjacent to the edge of the farm include: California bay laurel, madrone, big leaf maple, false solomon's seal, toyon, coast redwood and tanoak. Dieback on some of the grand and Douglas-fir along the interface between the infected forest and the Christmas tree farm appears to have occurred at least 4 years ago. This past spring, conditions were very favorable for disease development. Preliminary results from this study indicate that most of the infected Christmas trees occurred within 2 meters of the edge of the *P. ramorum* infected bay laurel forest canopy. Virtually no infection was evident on Christmas trees that were more than 5 meters away from the forest edge.

The Forest Service, Washington State Pesticide Commission, Pacific Northwest Christmas Tree Association, and the WSDA Nursery Research Program are also supporting research at WSU Puyallup to determine the effectiveness of various fungicides in protecting conifers and rhododendrons from infection by this pathogen. This work has shown that several traditional contact materials, such as mancozeb,



KATHY RILEY, WSU

Tip dieback of grand fir (Abies grandis) caused by Phytophthora ramorum in a California Christmas tree plantation. Picture was taken in May shortly after infection following spring rainstorms.

and the systemic material Subdue MAXX, have the potential to provide excellent control of diseases caused by *P. ramorum*. However, growers and regulatory agencies are concerned that the use of fungicides may be masking symptom development, thus making it harder to prevent the spread of this pathogen on infected nursery stock. Now that the new biocontainment facility is completed, additional studies will be conducted to determine the residual effectiveness of fungicides and determine if any of them have the potential to mask symptom development on infected plants.

WSU State Wide Education

With funding provided by the USDA Forest Service, Dr. Chastagner has also developed a *P. ramorum* education program based at WSU Puyallup. Last summer, Norm Dart was hired to coordinate these efforts. Dart's work is focusing primarily on developing, coordinating, and presenting first detector workshops and research seminars relating to *P. ramorum* throughout

Washington, as well as developing educational material to distribute throughout the state. The goal of first detector workshops is to train nursery and landscape professionals, arborists, natural resource professionals, county extension agents, and Master Gardeners to recognize symptoms potentially caused by *P. ramorum* in the urban and natural landscape and how to submit samples. Early detection is the key to reducing the risk of widespread outbreaks in Washington and to protecting Washington's nursery, landscape, and forest industries from the potentially devastating economic effects that a *P. ramorum* outbreak could have. These workshops address the sensitive nature of this disease, and train participants in how to deal with *P. ramorum* issues and the importance of providing information without causing panic.

For additional information and resources on *P. ramorum* visit the WSU Sudden Oak Death Education Website: www.puyallup.wsu.edu/ppo/sod.html

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____ State _____ Zip+4 _____
 Phone _____ E-Mail _____
 Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____
 City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair
 3927 Shasta View St.
 Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- ☐ New ☐ Renewal
☐ Student—\$12 ☐ Regular—\$18 ☐ Family—\$24
☐ Sustaining—\$50 ☐ Patron—\$100 ☐ Life Membership—\$500
☐ Subscription Only (*Bulletin* and *Kalmiopsis*)—\$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____
 Leighton Ho Memorial Field Botany Award Fund \$ _____
 Rare and Endangered Plant Fund \$ _____
 Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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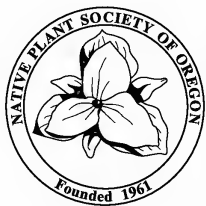
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Send change of address notices
and membership requests to:

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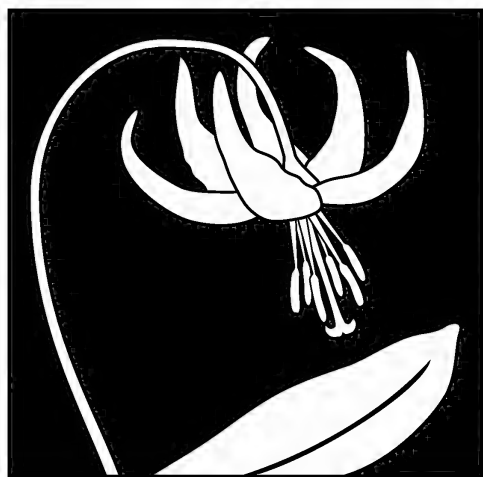
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www.oregonflora.org

Get ready—we will be having a challenge drive for our 2006-2007 fundraising campaign!

A great deal of satisfaction comes from knowing that your contributions to the Oregon Flora Project will be doubled, so we hope that you will give generously. Likewise, we welcome additional matching funds that will contribute to an amount that will truly challenge our supporters. Look for more details in next month's *Bulletin* or the upcoming *Oregon Flora Newsletter*.

For more information on how you can help in this fundraising effort, contact:

Linda Hardison
Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402
hardisol@science.oregonstate.edu



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 10

NOVEMBER 2006

NPSO Receives Environmental Award

NPSO is proud to have been recently awarded this year's Oregon Recreation & Park Associations - Natural Resource Section's Environmental Fund Award & Donation. Each year the ORPA - NRS gives out one award and donation to an organization based on the following criteria: A) Must be a 'Not For Profit Organization;' B) Must be Oregon-based; C) Must be nominated by an ORPA - Natural Resources Member; and D) Must promote Natural Resources Stewardship. The award comes with a plaque and a \$200.00 check. The following is a statement written by outgoing President of ORPA - Natural Resources Section, Joan Andersen-Wells. For more about ORPA visit www.orpa.org.

NATIVE PLANT SOCIETY OF OREGON

Their opening statement on their web site says it all, "Enjoyment, Conservation, & Study."

Oregonians live in a state with exceptional natural beauty and diversity that includes alpine lava fields to coastal sand dunes.

For over 40 years, members of the Native Plant Society of Oregon have been visiting the wild places of Oregon to enjoy, conserve, and study its natural vegetation. Founded in Portland in 1961, NPSO has grown to a statewide network of 13 chapters and over 1000 members.

NPSO works tirelessly for plant and habitat conservation. Oregon would not have an Endangered Species Act if, in the mid-'80s, NPSO members had not sought out farsighted legislators, attended endless committee meetings, testified at hearings, and educated legislative staff in order to explain the importance of plant protection.

Today, NPSO state conservation chairs track major issues and chapters are involved in local efforts to protect and conserve threatened and endangered species. They carry out rare plant surveys and monitoring programs; have developed guidelines and policies regarding native plant gardening, ethics, grazing, mining, and forest management; and are involved in plant salvage and re-introduction.

Chapters sponsor field trips and work parties, involving members in conservation of Oregon's diverse plant heritage.

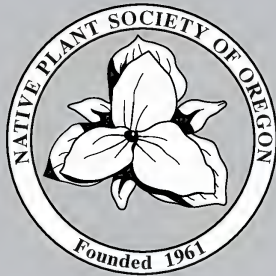
NPSO offers a yearly college scholarship for study within the State, as well as field research grants for botany students, giving many young people the opportunity for hands-on experience in plant research and conservation.

NPSO Seeks Candidate for Treasurer

The election cycle for NPSO officers and directors is upon us. Our current Treasurer, Candice Guth, is retiring from office. Candice has served in this position for 5 years and NPSO needs a candidate as soon as possible so that she can train the new person during a transition period. Knowledge of Excel, Quicken, or similar software is desirable. If you can help our Society in this way, please contact Dan Luoma, NPSO Nominations Committee Chair, at 541-752-8860 for further information.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOoregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

ISSN 0884-599. Published 11 times per year. Subscription price \$18/year. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOoregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

For a copy of the program policy and guidelines contact

Dan Luoma
Field Research Grants Committee Chair
3740 NW Harrison Ave.
Corvallis, OR 97330
541-752-8860

or visit NPSO's web site,
www.npsoregon.org/comm/FRGC.htm.
Research proposals are due by March 1, 2007.

Call For Papers

The new issue of *Kalmiopsis* has been published, which means that I'm looking for articles for next year. All materials submitted should pertain to Oregon's native vegetation and flora. *Kalmiopsis* publishes two series articles: Plant of the Year, and Oregon Plants, Oregon Places, as well as articles about historical botanists and other features related to native plants or plant communities in Oregon. Please refer to previous issues of *Kalmiopsis* for length and content of articles; maximum length is 5,000 words. I would like to extend a particular invitation to authors writing about parts of Oregon not recently covered in *Kalmiopsis*. Contact the editor (me) for a copy of "Instructions to Authors" or to place your name on a call list for writing book reviews.

Cindy Roché,
P.O. Box 808,
Talent, OR 97540,
kalmiopsis@npsoregon.org



Pacific willow (Salix lucida var. lasiandra) is an elegant tall shrub or small tree often seen beside creeks and lakes at all elevations. It blooms later than many willows, its yellow catkins appearing after its long narrow leaves come out.

TANYA HARVEY

State

January 20, Saturday, 10 am

State Board Meeting: The Emerald Chapter will host the next quarterly state board meeting at Lane Community College. More information will be in upcoming issues of the *Bulletin*.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

For more information visit the chapter website: www.oregon-nativeplants.com

November 4, Saturday

Field Trip: The Butte. The Butte is a 40-acre basalt ridge harboring a grove of old-growth Douglas fir and a remnant stand of Oregon white oak, not far from McMinnville. Although it's a BLM preserve, it is accessible only by permission of an adjacent landowner. If the day is somewhat clear, the view is amazing. This is the same trip as at the annual meeting. For the meet-up time and location, please call leader Dave Hanson at 503-843-4338.

November 25, Saturday, 1 – 4 pm

Field Trip: Mushroom Foray. Jack Murphy, who teaches mycology for the Linfield College Biology Department, will lead this mushroom foray for both adults and their children. We will caravan to a yet-to-be-determined destination somewhere near McMinnville. Be prepared for off-trail hiking, but not very far from a road or trail. This is the Saturday after Thanksgiving, so plan to walk off some of those calories while enjoying nature and whatever the rain brings! Bring a basket or bag to carry specimens in, and a roll of waxed paper. Meet in the parking lot at the corner of Linfield Ave. and Blaine St. right beside the campus of Linfield

College in McMinnville. Please contact Marna Porath at 503-835-1042 or marna@onlinemac.com no later than Wednesday, November 22, to register for the trip.

November 30, Thursday, 7 pm

Meeting: Conservation and Restoration of Willamette Valley Native Woodland Habitats (and associated prairies). Brad Withrow-Robinson, the OSU Extension Forester for Marion, Polk and Yamhill counties, will give a brief overview of the changing landscape and ecology of the Willamette

Valley. He will discuss the challenges to maintaining native habitats such as oak savannas. Brad's presentation will examine the roles of education and collaboration in developing a cohesive Adaptive Management approach to habitat restoration and conservation. Carnegie Room, McMinnville Library, 225 NW Adams. For more information contact Susan at 503-538-1865 or helgesusan@comcast.net.

Corvallis

November 13, Monday, 7:30 pm

Meeting: Finally! Proof of Weapons of Mass Destruction! Invasion by spotted knapweed and other Centaureas. Andrea Thorpe recently completed her Ph.D. at the University of Montana, where she studied spotted knapweed in Montana and Romania. Dr. Thorpe is currently leading the Conservation Research Program at the Institute for Applied Ecology. Avery House, Avery Park, Corvallis. For more information contact Matt Blakeley-Smith at 541-752-1091.

Emerald

Please note all Emerald Chapter presentations will now be held at the Eugene Water and Electric Board Training Room at 500 East 4th Avenue in Eugene. From the Fifth Street Market go one block north and one block east. For more info call David at 541-746-9478.

November 20, Monday, 7:30 pm

Meeting: Iron Mountain: Subtle Habitat Differences Equals Greater Floral Diversity. Bob Ross, retired Professor, Linn-Benton Community College, and photographer for *Wildflowers of the Western Cascades*, will use beautiful photography to point out that subtle differences can help us see flowers we often miss. 7:30 pm, EWEB Training Room, 500 East 4th Avenue, Eugene.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

December 11, Monday, 7:30 pm

Holiday Social: Members' Slide Show. Bring 10 to 12 slides and a snack to share if you wish. Come and socialize with others who share your interest in native flora. EWEB Training Room at 500 East 4th Avenue, Eugene. For more information call David at 541-746-9478.

High Desert

For information on the High Desert Chapter call Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

November 9, Thursday, 7:30 pm

Meeting: Updates on Plant Restoration Efforts in our Area. The Commodore Building, Downstairs Conference Room, 3rd & Court Street, The Dalles. For more information call Mike Igo at 541-905-3187.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl at 503-842-8708.

Portland

November 9, Thursday, 7 pm

Meeting: Table Mountain. Don Jacobson will show pictures of plants of Table Mountain, near Oroville, California. Room 202, First United Methodist Church, 1938 SW Jefferson St., Portland, located just uphill from the Goose Hollow MAX stop.

Siskiyou

November 16, Thursday, 7:30 pm

Meeting: Nevada High Country. Jan and Dave Dobak, NPSO members from Portland, will show and tell about the botanical wonders of the Ruby Mountains and Great Basin National Park (Wheeler Peak) in northeastern Nevada. The trails begin at 9000' and climb higher. Room 171 of the SOU Science Building, Ashland. For additional information, contact Alex Maksymowicz, 541-482-1964.

SOU Herbarium Now Open to the Public

NPSO volunteers have opened the SOU Herbarium to the public on the first Friday of every month from 3-5 pm. The Herbarium is in room 206 of the Science Building on the Southern Oregon University campus in Ashland. For information call Connie Battaile at 541-488-0368.

Umpqua Valley

November 4, Saturday, 9 am

Field Trip: Myrtle Island. In honor of Mildred Thiele, who we lost this year (see p. 110), we will visit one of her favorite places near her ranch home. Meet in the NE corner of the parking lot behind the Douglas County Courthouse, west of Fowler Rd., between Hwy. 138 and Douglas Ave. in Roseburg. Be prepared to walk across the river, which is very low this time of year. For information call trip leader Sam Friedman at 541-673-0589.

November 9, Thursday, 7 pm

Meeting: The Flora of California's King Canyon. Dana York, US Forest Service botanist, will give a presentation on a Flora of California's King Canyon. Always a great speaker, Dana will summarize his doctoral studies while he shares pictures of the interesting botany of this very special place.



NPSO State Board members Sam Friedman, Dan Luoma, Frances Stilwell and Ron Hatt, and leader Don Heinze were among those who explored a Darlingtonia fen after the Fall Board Meeting in Selma, October 14. They were happily surprised to find plenty of plants to enjoy including a few remaining Parnassia californica, Rhododendron occidentale in glorious fall color with some unexpected late season fragrant flowers, late-blooming Aster chilensis, one last deep blue flower of the rare Gentiana setigera, and, of course, the wonderful hooded pitchers of Darlingtonia californica. Even this late in the year, it is worth exploring your favorite places!

TANYA HARVEY

Mercy Community Education Center, 2459 Stewart Parkway, Roseburg. For information call Sam Friedman at 541-673-0589.

November 11, Saturday, 9 am
November 25, Saturday, 9 am

Workdays: Native Plant Garden.

There is now water to the planting areas of the garden, so get ready to plant! Bring your imagination, love for gardening, shovels and gloves, and spend a fun morning helping out at our new native plant garden at the Roseburg VA. Meet at the VA Hospital, off Garden Valley Blvd., in the west side parking lot of the Transistionary Care Unit (TCU). For information call Ron Hatt at 541-863-7024.

Willamette Valley

November 2, Thursday, 7 pm
November 9, Thursday, 7 pm

Program: Oregon's Native Conifers.

Oregon is home to nearly 30 species of native conifers. Wilbur Bluhm, professor emeritus of the Oregon State University Extension Service and horticulture expert on plant species native to Oregon, will teach a short course about our native conifers. In this two-part session, participants will learn about the uses, distribution and status of conifers and how to identify them. The classes, which may include a field trip on a date to be announced, will be held from 7 to 8:30 pm at the Straub Environmental Learning Center, 1320 A St. NE, Salem (next to Olinger Pool and near North Salem High). The class, part of the Amateur Naturalist series, is co-sponsored by the Willamette Chapter and the Friends of the Straub Environmental Learning Center. Free and open to the public. For more information, call 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

NEW Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping.** To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



OTHER EVENTS

Mt. Pisgah Events

34901 Frank Parrish Rd. (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504 or visit www.efn.org/~mtpisgah.

Mushroom Walk

November 4, Saturday, 12–2 pm

It's mushroom season! Take a walk through the Arboretum's forested trails with experienced mycologists, Chris Melotti and Molly Widmer of the Cascade Mycological Society, and hunt for these fascinating fungi. Discuss identification, habitat, characteristics, natural history and the role of fungi within an ecosystem. Meet at the Arboretum Visitor Center, rain or shine. Suggested donation: \$3 (MPA members free!)

Wildflowers of the Swiss Alps

**November 14, Tuesday, 7 pm
Medford Congregational United Church of Christ
1801 E. Jackson St., Medford**

The Siskiyou chapter of the North American Rock Garden Society (NARGS) will host NPSO members Dave and Jan Dobak who will show slides of wildflowers of the Swiss Alps. Free and open to the public. For more information contact Phyllis Gustafson at 541-664-1775.

Friends of Buford Park & Mt. Pisgah 15th Annual Fall Celebration

**Fulfilling the Vision: Growing Buford Park—Purchasing the
1400-acre Wildish Lands**

November 16, Thursday, 6:30–9:00 pm

First United Methodist Church, 1376 Olive Street, Eugene

Chris Orsinger, Executive Director of Friends of Buford Park, and others will speak about the benefits of bringing into public ownership the 1,400-acre parcel owned by Wildish Land Co. along the Middle Fork of the Willamette. The presentation offers a vision for the future of Mt. Pisgah, and explores the importance of this piece of land for fish, wildlife, recreation, and a community legacy.

Please come to enjoy fine food, meet community groups working on restoration & natural areas, and bid on exciting goods and services at our Silent Auction. Suggested donation: \$3 to \$25 (no one turned away). For more information, call 541-344-8350 or visit www.bufordpark.org

Kalapuya Harvest Walk

**November 12, Sunday,
10 am–12 pm**

Centuries ago at this time of year the native people of the Willamette Valley were baking camas bulbs and burning the grasslands to facilitate seed and acorn collection. Discover culture and harvest practices of the Kalapuya on this informative walk led by Arboretum Nature Guide Adrienne Scharz. Meet at the Arboretum Visitor Center, rain or shine. Suggested donation: \$3 (MPA members free!)

**Mushrooming on the Mountain
November 18 & 19,
Saturday & Sunday, 10 am–4 pm**

This intensive class for beginning 'shroomers offers instruction on identification, picking, cooking, ecology, folklore and more. Maggie Rogers of the Oregon Mycological Society will lead the class with interactive demonstrations, discussion and field identification. A mushroom hunt will follow Maggie's presentation, and participants will have an opportunity to cook and taste the fantastic fungi. Fee: \$60 (\$50 members.) Pre-registration required.

Institute of Contemporary Ethnobotany Events

For more information contact 541-513-8263, contemporaryethnobotany@yahoo.com or visit www.foodnotlawns.com

**Plants for the People—
A Local Materia Medica
November 14, Tuesday, 6–9 pm.**

With Nome McBride (Under The Yew Botanicals) & Tobias Policha. This informal presentation will introduce basic herbal actions as well as locally adapted plants that have medicinal value. Learn when, how and why to use weeds, native plants, and common garden herbs for health and nutrition. By donation. Upstairs at the Growers Market, 454 Willamette St., Eugene.

**Food Not Lawns: How to Turn Your
Yard into a Garden and Your Neighbor-
hood into a Community!
November 21, Tuesday, 6–9pm.**

Heather C. Flores, author of *Food Not Lawns, How to Turn Your...*, will give an interactive presentation that will explore the possibilities for self-sufficiency and community with limited resources. Topics will include: soil fertility, water stewardship, plant polycultures, seeds, ecological design, community organizing, and gardening with children. \$0-50. Walnut Room at the EMU (UO, 13th & University, Eugene). Sponsored by the Survival Center.

**Winter Twigs
December 9, Saturday, 1–4pm.**

With Tobias Policha. Learn to identify your favorite trees and shrubs in the absence of leaves and flowers. Winter identification requires observing many unique characters that are often overlooked, discover hidden beauty while learning a new skill! We will use the book *Winter Twigs* by Gilkey and Packard. \$10–30. Meet at Amazon Parkway and 24th, Eugene.

Wildflowers of the Wasatch Mountains

November 7, Tuesday, 7 pm
Eugene Garden Club
1645 High St., Eugene

The Emerald chapter of the North American Rock Garden Society (NARGS) will host NPSO *Bulletin* editor Tanya Harvey who will show slides of the fabulous wildflower display at this summer's NARGS meeting in the Wasatch Mountains of Utah. The Wasatch mountains are just outside of Salt Lake City and provide an amazingly accessible way to see alpine and subalpine flowers which were abundant this year. Free and open to the public. Door prizes, refreshments and sales of plants and the speaker's art and photography follow. For more information contact Jim Regali at 541-484-1284.



TANYA HARVEY

Linanthus nuttallii is a beautiful member of the Phlox family that grows in Oregon and much of the West. Here it is seen growing in the Wasatch Mountains of northern Utah.

Berry Botanic Garden Events

11505 SW Summerville Ave., Portland.
To register or to get more information,
visit www.berrybot.org or call
503-636-4112x102.

Introduction to Botanical Art and Illustration

November 18 – 19, Saturday and Sunday, 9:30 am – 3:30 pm

Raised in Paris, Catherine Watters now lives and teaches in San Francisco, where she documents plants at the Filoli estate garden and serves on the Board of the American Society of Botanical Artists. In this two-day workshop she draws from her extensive artistic education and experience, beginning with a brief history of Botanical Art and moving into an introduction to the time-honored methods of plant illustration. \$150 (\$120 for BBG members).

Please Nominate Outstanding NPSO Members For Our Prestigious Fellows Award

by Rhoda Love, NPSO Fellows Committee

It has been 4 years since an NPSO member has received NPSO's important Fellows Award. We very much hope to be able to present this award to one or more outstanding NPSO members at next spring's Annual Meeting in the beautiful Columbia Gorge. The Fellows Committee is now ready now to accept nominations.

Present Fellows (some, alas, now deceased) are: 1998: John Robotham, Keith Chamberlain, and Ruth Hansen; 1999: Ken Chambers and Wilbur Bluhm, 2000: Karl Urban and Frank Lang; 2001: Charlene Simpson, Veva Stansell and Rhoda Love; 2002: Jerry Igo; 2003: Charlene Holzwarth and Russ Jolley. Friends receive a lifetime NPSO membership, a ceremony and plaque at the Annual Meeting, and a biographical article with photo in *Kalmiopsis*. We all know many outstanding and hard-working members of our society who deserve this honor.

Nominations can come from a chapter, an individual, or a group. A chapter may wish to nominate their founder or other active member. You may wish to nominate an outstanding teacher of botany. Many long-time NPSO board members also deserve this honor.

Your nominating letter can be sent to me by e-mail. It should contain biographical and background information about the nominee. Please also provide a photo of the prospective Fellow or Fellows. Your nomination will move from the nominating committee to the State Board, for approval. When approved, plans will be made to print a plaque and plan a ceremony at the next Annual Meeting where the award will be presented. The new Fellow(s) will be featured in an article in the next *Kalmiopsis*.

Please send letters of nomination by the end of 2006 to: Rhoda Love at rglove@uoregon.edu. You are welcome to call me at 541-345-6141 for more information. Let's have one or more NPSO Fellows awards in the Columbia Gorge in the spring of 2007! I await your letters.

Mildred Thiele 1915 ~ 2006

Long time NPSO member, Douglas County botanist, and artist, Mildred Thiele passed away September 10, 2006.

Mildred was born July 13, 1915, to parents Hiram and Agnes Arburg Powell of River View Ranch, Tyee. Mildred attended Tyee grade school, a one room school where one teacher taught all eight grades. She was the only one in her grade for the eight years. She graduated valedictorian from Oakland High School in 1932 in a class of eleven students! She graduated from Teachers Training School in Monmouth and taught school one year at Paradise, west of Elkton.

Mildred married Perry Thiele on July 19, 1936 at her family's home, River View Ranch, in Tyee. Perry operated heavy duty machinery on road construction for three years then they moved to Roseburg. In 1952 they moved to Laurelwood where Mildred remained until her death.

They had two children, Norma and Karl. During their school years Mildred was active in their children's activities, including Campfire Girls

and Boy Scouts. In 1948 Mildred and her family spent most of the summer building Camp Tyee, the first Camp Fire Girls camp, just down the river from the Bullock Bridge. Perry volunteered for service in the U.S. Navy in the World War II and served for two years. During his absence Mildred taught in the Roseburg schools and continued teaching for several years. Mildred participated in a number of civic and social organizations in Roseburg, but those close to her heart were Mercy Hospital Pink Ladies, Roseburg Art Association, and developing the Douglas County Museum Herbarium.

In 1960 Mildred and Perry traveled to Fairbanks, Alaska, in their pickup with a camper. From there they flew 150 miles north of the Arctic Circle with a bush pilot and his wife. They landed on the sandy margin of Lake Chandalar, which is on the north slope of the Brooks range, and drains toward the Arctic Ocean. The sun never went down. The men fished until one o'clock in the morning. Mildred was fascinated with the carpet of wildflowers covering the tundra. She con-

tinued to enjoy the wildflowers during their Alaskan trip and made watercolor sketches of many of them.

On her return home she contacted Lois Wesley and Joan Fosback who were also interested in the scientific identification of the flora. Working together these ladies continued collecting, identifying, cataloging, and making lists of the flowers in each location they visited. They identified the specimens for the Glide Wildflower show for many years, and taught wildflower identification at UCC, and published two books on Douglas County flora. In 1980 Mary Carlson joined Mildred's group. Later they were invited to house their botanical collection in the Douglas County Museum where they developed a scientific herbarium of over 3000 specimens.

In 1990 they contributed over 200 hundred lists of Douglas County flora and locations to the OSU for the Oregon Flora Project. Mildred carried two cameras with her after 1982, taking slide pictures, and she presented programs of wildflower adventures to many organizations. In 2005 she donated nearly 5,000 flora slides to OSU for the Oregon Flora Project.

Mildred was an outstanding artist. She was especially proficient in watercolors and taught classes for the Roseburg Art Association. She also did extensive work with silk screening and produced many posters and greeting cards. She was a longtime member of the Roseburg Art Association and in 1969 she participated in the planning the first Roseburg Art Festival.

She was still going strong at 90, and had turned her interests to the history of her ancestors and of her own pioneer life, producing a book called *My Story—Growing up on River View Ranch in Tyee*, and to updating herbarium records at the Museum.

A celebration of life was held Saturday, September 30. Donations may be made in her memory to Friends of Douglas County Museum for the Herbarium. She will be much missed.



Danna Lytjen, 1947 ~ 2006

On September 18, the NPSO lost willow expert, riparian ecologist, and general great field botanist Danna Lytjen. She had been diagnosed with brain cancer a year ago, and died quietly at home, cared for by life partner Nick Otting, her sisters Janice and Jeannie, and her daughter Jessica and son Seth, supported by many friends and neighbors.

Danna had a life-long love of the outdoors. She was out in it energetically, hiking, camping, gardening, working. Gradually her work concentrated more on plants, and eventually on esoteric (but fun) issues of plant taxonomy. She had a varied and sometimes challenging life, which she faced with energy and the resilience of the willows she studied.

Danna spent about five years with Eugene worker's cooperative the Hoedads, doing the strenuous job of planting trees in Oregon's mountainous forests. In 1978, she joined the new cooperative Second Growth, founded by Nick Otting and a few other friends from the Hoedads. Nick and Danna met there and soon become partners both personally and professionally. At Second Growth, they planted trees and did timber stand exams.

The two studied botany at Lane Community College starting in 1988. Their new plant taxonomy skills helped them branch out into rare plant surveys and they formed their own company, Duckfoot Survey Company. A few years later they moved to Corvallis to complete their bachelor's degrees in botany, while still working summers in the forests.

In 1993, when they were seniors, they helped form the Carex Working Group with other botanists interested in those diverse graminoids. The group rushed a preliminary *Carex* atlas into production and then began the slow process of annotating all the *Carex* specimens at the OSU herbarium. They enjoyed summer field work sponsored by the Native Plant Society of Oregon and, later, the Bureau of Land Management. In 1999 they published

the Atlas of Oregon Carex, the NPSO's first Occasional Paper.

Nick and Danna stayed on in Corvallis after graduation and chose to earn Master's degrees studying riparian ecology in eastern Oregon. Danna concentrated on two aspects of the ecology of riparian shrubs, mainly willows. She analyzed variation in the shrub communities in relation to elevation and substrate, and she measured the effects of grazing cattle and elk on the shrubs. Meanwhile, Nick worked on the effects of graminoids, such as sedges, on groundwater. The two helped each other lay out plots and analyze data.

Since graduation, Danna and Nick have been engaged in diverse botanical projects through both Duckfoot and the Carex Working Group. The two were co-authors on articles about ecology and restoration of riparian shrubs. Contracting with the Forest Service, they worked on riparian ecology and willow propagation east of the Cascades, and they trained Forest Service botanists to identify willows. For the BLM, they assessed the condition of aspen stands on Steens Mountain, and

(with the Carex Working Group) they surveyed for sedges and trained agency personnel to identify these challenging plants. Their plant surveys in the rarely-visited Dry Creek basin of southeast Oregon resulted in interesting finds and produced herbarium specimens for OSU and the New York Botanic Garden. A contract to assess sage grouse brood-rearing habitat brought Danna back to her childhood home in northeast California.

An active member of the NPSO, Danna served terms as president of the Corvallis chapter and secretary of the Emerald chapter. She was also a co-author of native plant gardening guides put out by Emerald chapter.

Danna's loss seriously sets back the understanding of willow species in Oregon. It makes completing the Carex Working Group's *Field Guide to Sedges* more difficult. It represents losses in understanding plant taxa and riparian community dynamics in eastern Oregon. She was also a good, responsible, kind person. Oregon's botanists will miss her.



BRUCE NEWHOUSE

NPAW Poster Photo Contest

As we did last year, this year the NPSO will be hosting a photo contest to select an image for the 2007 Native Plant Appreciation Week poster. Photos should showcase a plant community or a portrait of an Oregon native plant. Entries must be submitted online to the NPSO Photo Gallery website: www.npsoregon.org/photos/index.html.

Initial judging will be from pre-view-sized digital images, but the winning photographer must provide a high-resolution image (at least 300 ppi at 8.5 x 11") and must allow NPSO to reproduce the image free of charge for our poster. Please limit yourself to two submissions and have them in by December 30, 2006. E-mail questions to Judi Sanders at judi.sanders@gmail.com.

Graphic Design Volunteer Needed

To facilitate creation of a truly impressive poster for Native Plant Appreciation Week, the coordinator is looking for a volunteer with expertise in graphic design who would be willing to design our poster (using the photo(s) selected from the photo contest). This would require relatively rapid design in early January with the hope of having a camera-ready copy of the poster available for the January board meeting. If you have questions or are willing to volunteer, please e-mail Judi Sanders at judi.sanders@gmail.com.

Check Out The NPSO Online Photo Gallery

Some members have already discovered the Photo Gallery on the NPSO website. Our webmaster, Norm Jensen, added this great feature this spring. The Gallery consists of photos that members upload themselves. To post photos or view full-size images, you first have to go through a very easy online registration, then whenever you want to add a photo you go to the upload page, type in a caption, choose your photo, click on a button to upload and your photo will appear perfectly sized for the page. You can place your photos in an album according to when the photo was taken, enter the NPAW Photo Contest (see above) or even put pictures of mystery plants up for fellow members to ID. Whether you'd like to view the photos in the Gallery or add some of your own, check out this great resource at:

www.npsoregon.org/photos/index.html

NEW MEMBERS

6/14/2006 – 10/16/2006

Corvallis

Twila Coakley

Emerald

Aruna Aleem
Kent Calvin
Laoni Davis
Mary & Steve Grant
Tom Halferty
Brian Meiering
Gerry Nichol
Pam Perryman
Jim Regali
Claire & Joseph Spampinato

High Desert

Seth Ganzhorn
Patti Gentiluomo
Cristiane Tillia

Members At Large

Robert G. Clearwater

Portland

Virginia Bowers

Susan Cassard
Bhronwhyn Dean
Lisa Hansen
Linda Hungerford
LaVerne Landauer
Marina Longden
Jon Springer
Dawn Van Seggen

Siskiyou

CJ Blaney
John Brittnacher
Nadine R. Kanim
Cathryn Kapp
Janice Lytjen
Kelly McDonald
Dale C. Sullivan

Umpqua Valley

Valerie Cooley
Tasha King
Bettye Pollard

Willamette Valley

Parker Lloyd



ALEX MAKSYMOWICZ

Monkshead (Aconitum columbianum) white form. Mt. Ashland, seep above FS 20, August 8, 2006. Look for the color version of this lovely image in the August 2006 section of the NPSO Photo Gallery.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____ State _____ Zip+4 _____
 Phone _____ E-Mail _____
 Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____
 City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair
 3927 Shasta View St.
 Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- ☐ New ☐ Renewal
☐ Student—\$12 ☐ Regular—\$18 ☐ Family—\$24
☐ Sustaining—\$50 ☐ Patron—\$100 ☐ Life Membership—\$500
☐ Subscription Only (*Bulletin* and *Kalmiopsis*)—\$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____
 Leighton Ho Memorial Field Botany Award Fund \$ _____
 Rare and Endangered Plant Fund \$ _____
 Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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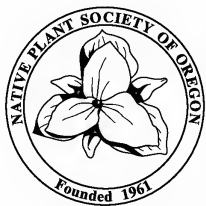
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www.oregonflora.org

Good news—some very generous supporters are offering to match \$24,000 in donations to the Oregon Flora Project for its 2006-2007 fundraising campaign! We hope that you will echo their financial backing of this important botanical effort with a generous contribution. The money raised during our annual fundraising efforts provides approximately half of the Oregon Flora Project's operating budget. We use these funds to pay the salaries of our highly competent and dedicated staff and students. Their work keeps the project moving forward and provides you with the most accurate information about Oregon plants.

We depend upon—and greatly appreciate—your support. Your dollars are put to hard work—please give generously! (Don't forget—making donations in both calendar years provides you with additional tax-related charitable giving benefits.)

Checks can be made out to NPSO
(with "Oregon Flora Project" on the memo line) and mailed to:
Friends of the OFP, P.O. Box 402, Corvallis, OR 97339-0402



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 39, No. 11

DECEMBER 2006

NPSO's Conservation Work Pays Off! Critical Habitat Designated for Three Willamette Valley Species

The U.S. Fish and Wildlife Service has designated approximately 3,720 acres of critical habitat for three Oregon species native to the prairies of the Willamette Valley—the endangered Fender's blue butterfly, the threatened Kincaid's lupine and the endangered Willamette daisy.

The individual designations for the species total 3,010 acres for Fender's blue butterfly in Benton, Lane, Polk, and Yamhill Counties, Oregon; 585 acres for Kincaid's lupine in Benton, Lane, Polk, and Yamhill Counties, Or-

egon and Lewis County, Washington; and 718 acres for the Willamette daisy in Benton, Lane, Linn, Marion, and Polk Counties, Oregon.

Because much of the habitat of the three species overlaps, the total area designated amounts to 3,720 acres—approximately 181 acres less than what was proposed for designation in November 2005. About one percent of the total area within the designation is owned by city, county or state governments; 36 percent is on federal land; and 63 percent is on private land.

The change in the area designated from the 2005 proposal is partly due to a reexamination of the proposed corridors between core butterfly habitat areas. Biologists found that the corridors did not provide the features essential to the conservation of the species. Refinement of some mapped unit boundaries also resulted in some change.

An analysis of the economic effects of the designation concluded that costs related to the designation are estimated

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IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew for 2007. To find out whether you need to renew, please look at your address label on this issue of the *Bulletin*. If 2006 appears along the top edge of the label, you need to renew before February 15, 2007 to ensure that you do not miss out on any of the *Bulletins* or on the 2007 issue of *Kalmiopsis*. If the year is blank or is 2007 or later, you are all set and do not need to renew at this time.

Please use the remittance envelope in this *Bulletin* to send in your dues, or use the membership form on the inside back page if the envelope is missing.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

Note for Earth Share Contributors: Ignore this notice unless you wish to become a regular member of NPSO. You will continue to receive the *Bulletin* for one year from the time of your contribution.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregion.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsso

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

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Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregion.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

NPAW Poster Photo Contest

As we did last year, this year the ANPSO will be hosting a photo contest to select an image for the 2007 Native Plant Appreciation Week poster. Photos should showcase a plant community or a portrait of an Oregon native plant. Entries must be submitted online to the NPSO Photo Gallery website: www.npsoregon.org/photos/index.html.

Initial judging will be from pre-view-sized digital images, but the winning photographer must provide a high-resolution image (at least 300 ppi at 8.5 x 11") and must allow NPSO to reproduce the image free of charge for our poster. Please limit yourself to two submissions and have them in by December 30, 2006. E-mail questions to Judi Sanders at judi.sanders@gmail.com.

Call For Papers

The new issue of *Kalmiopsis* has been published, which means that I'm looking for articles for next year. All materials submitted should pertain to Oregon's native vegetation and flora. *Kalmiopsis* publishes two series articles: Plant of the Year, and Oregon Plants, Oregon Places, as well as articles about historical botanists and other features related to native plants or plant communities in Oregon. Please refer to previous issues of *Kalmiopsis* for length and content of articles; maximum length is 5,000 words. I would like to extend a particular invitation to authors writing about parts of Oregon not recently covered in *Kalmiopsis*. Contact the editor (me) for a copy of "Instructions to Authors" or to place your name on a call list for writing book reviews.

Cindy Roché,
P.O. Box 808,
Talent, OR 97540,
kalmiopsis@npsoregon.org



TANYA HARVEY

Odd fungus? Mystery eggs? Black-eyed peas? No, these are the fruits of fringed pinesap (*Pleuricospora fimbriolata*), a strange mycotrophic plant in the Heath family, subfamily Monotropoideae (sometimes considered its own family Monotropaceae). The pale, waxy flowers often barely emerge from the duff of conifer forests where they eventually develop into these dark-tipped, white berries.

State

January 20, Saturday, 10 am

State Board Meeting: The Emerald Chapter will host the next quarterly state board meeting at Lane Community College. Details will be in the January issue of the *Bulletin*.

May 4-6, 2007

Annual Meeting: The Mid-Columbia Chapter will host next year's NPSO Annual Meeting in Mosier. Look for more details and registration information in upcoming issues of the *Bulletin*.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

For more information visit the chapter website: www.oregon-nativeplants.com

November 30, Thursday, 7 pm

Meeting: Conservation and Restoration of Willamette Valley Native Woodland Habitats (and associated prairies). Brad Withrow-Robinson, the OSU Extension Forester for Marion, Polk and Yamhill counties, will give a brief overview of the changing landscape and ecology of the Willamette Valley. He will discuss the challenges to maintaining native habitats such as oak savannas. Brad's presentation will examine the roles of education and collaboration in developing a cohesive Adaptive Management approach to habitat restoration and conservation. Carnegie Room, McMinnville Library, 225 NW Adams. For more information contact Susan at 503-538-1865 or helgesusan@comcast.net.

January 25, Thursday, 7 pm

Meeting: Bloom of the Century, Part II. Enjoy a photo journey through the deserts of southern California depict-

ing the spectacular winter wildflower display of 2005. Dan Luoma and Joyce Eberhart share their experiences of what has been described as a "once-in-a-life-time" explosion of floristic exuberance. Carnegie Room, McMinnville Library, 225 NW Adams St. More info? Contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

Corvallis

December 11, Monday, 6:30 pm

Meeting: Annual Holiday Party. Join us at the home of Loren Russell

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

and Flo Leibowitz, 3420 SW Willamette, Corvallis. Please bring slides or digital images of your botanical adventures to show, and a dessert or drink to share. This is a great way to meet new members, catch up with old friends and see some spectacular images. For more information contact Matt Blakeley-Smith at 541-752-1091.

Emerald

Please note all Emerald Chapter presentations will now be held at the Eugene Water and Electric Board Training Room at 500 East 4th Avenue in Eugene. From the Fifth Street Market go one block north and one block east. For more info call David at 541-746-9478.

December 11, Monday, 7:30 pm

Holiday Social: Members' Slide Show. Bring 10 to 12 slides and a snack to share if you wish. Come and socialize with others who share your interest in native flora. EWEB Training Room, 500 East 4th Avenue, Eugene. For more information call David at 541-746-9478.

January 15, Monday, 7:30 pm

Meeting: Liverwort Dreams. Dr. David Wagner is on the verge of publishing a *Guide to Oregon Liverworts*, to be offered on CD. He will preview some of the beautiful images prepared for the guide to show the unusual form, symmetry and grace of these under-appreciated plants. EWEB Training Room, 500 East 4th Avenue, Eugene. Call 541-746-9478.

February 19, Monday, 7:30 pm

Meeting: The Exquisite Orchids of Oregon. Charlene Simpson will touch on the diverse morphology, habitat and reproductive strategies of orchids, illustrated with her archive of native plant photos. She also explores pollinator specialization and obligate mycorrhizal associations. EWEB Training Room, 500 East 4th Avenue, Eugene. Call 541-465-1059.

High Desert

For information on the High Desert Chapter call Berta Youtie at 541-447-8166.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

December 14, Thursday, 7:30 pm

Program: Winter Business Meeting.

For more information call Mike Igo at 541-905-3187. The Commodore Building, 3rd & Court Street, The Dalles.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

The Atlas of Oregon Carex was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **Price \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 shipping per order. Posters are mailed in tubes.

Salal T-shirt. Attractive forest green t-shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality t-shirts, S-XL, short sleeve **\$15 plus \$5 shipping**. To order, call Jennie Sue Dunn-Dixon at 503-472-1745.

"Land of Umpqua" T-Shirt featured at the 2005 Annual Meeting is available through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.

North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl at 503-842-8708.

Portland

December 14, Thursday, 7 pm

Meeting: Members' Picture Show.

Do you have some good photos of plants and botanical forays that you've taken over the past year (or so)? Come join us at our monthly meeting and share your pics with fellow plant enthusiasts! Bring either slides or electronic files (CD or thumbdrive)—a slide projector and digital projector will be available, so everyone can join in the fun. Room #202, First United Methodist Church, 1928 SW Jefferson St., Portland; located just uphill from the Goose Hollow MAX station.

Siskiyou

December 14, Thursday, 6:30 pm

Holiday Potluck Dinner and Presentation: Botanical Art and Illustration through the Eyes of an Active Practitioner.

Join *Jepson Manual* artist, *Arabis* expert, and past NPSO *Bulletin*, *Kalmiopsis*, and CNPS *Fremontia* editor Linda Ann Vorobik for an evening of botany and art. Linda's program briefly describes the history of botanical illustration as a footing for what it is today and gives her perspective on what makes plant illustrations most effective for plant identification. She also brings framed art to view, along with prints and note cards for sale. 30% of all sales will be donated to the Oregon Flora Project on behalf of the Siskiyou Chap-

ter. Don't miss out on an evening of merriment and art! Bring a potluck dish; no alcohol, please. Presentation starts at 7:30 pm; meeting hall doors will open at 6 pm. Congregational Church of Christ, 1801 East Jackson St (at N. Berkeley Way), Medford. For more information, contact Alex Maksymowicz, 541-482-1964.

SOU Herbarium Now Open to the Public

NPSO volunteers have opened the SOU Herbarium to the public on the first Friday of every month from 3-5 pm. The Herbarium is in room 206 of the Science Building on the Southern Oregon University campus in Ashland. For information call Connie Battaile at 541-488-0368.

Umpqua Valley

December 14, Thursday, 7 pm
Meeting: Annual Holiday Potluck.

Come mingle, while we enjoy good food at our annual winter holiday potluck. We will show slides from the late Jack Hausetter's collection. Bring a dish to pass, and if you wish, bring an unknown or interesting plant to discuss. Upstairs in the Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. For information, or to coordinate what dish you plan to bring, call Diane Phillips at 541-837-3690.

Willamette Valley

For information on the Willamette Valley Chapter call John Savage at 503-399-8615.

William Cusick

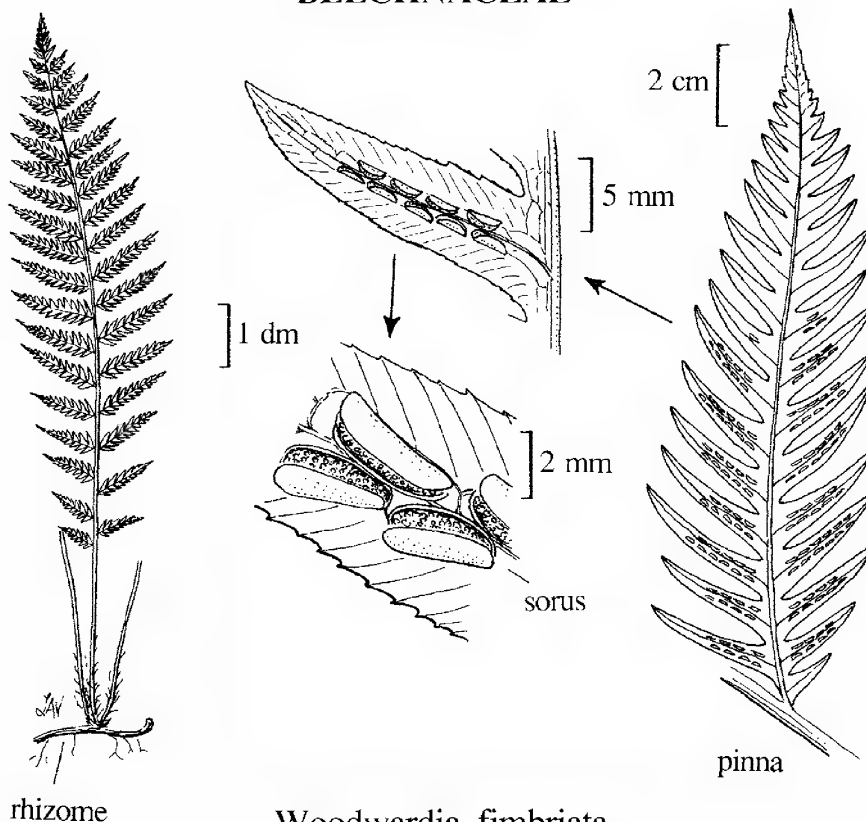
For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

A native bumblebee pollinates white rhododendron (Rhododendron albiflorum).

TANYA HARVEY



BLECHNACEAE



LINDA ANN VOROBİK, PHD

An illustration of the giant chain fern (Woodwardia fimbriata) created for Junak, S. et al, A Flora of Santa Cruz Island, copyright 1995. To see more of Linda Ann Vorobik's work, join the Siskiyou chapter for their holiday potluck.

NABA Native Bee Lecture

Pollinator Ecology in Western Oregon—the Central Role of Native Bees
December 4, Monday, Refreshments 7 pm, Lecture 7:30 pm
Training Room, EWEB building, Eugene.

The Eugene-Springfield Chapter of the North American Butterfly Association (NABA) will welcome Andy Moldenke, Professor of Entomology in the Botany Dept. at Oregon State University. He will discuss the critical role native bees play for native plants. Before

European settlement the Willamette Valley had 300–400 species of native bees. As many as 33% were specialist pollinators of a single plant. As a result of habitat conversion and current agricultural and fire-management practices, probably more than 75% of the species are now extinct (or very close to it). Specialist pollinators critical for native plants have shown the most extensive decline. For more info call Ellie Ryan at 541-684-8973.



Suksdorf's paintbrush (Castilleja suksdorfii), one of a number of plants named after the Northwestern botanist.



The Suksdorf house in Bingen in 1940.



W. N. Suksdorf, age 66, studying some of his collections.

Save the Suksdorf House!

by Rhoda M. Love, Emerald Chapter, rglove@uoregon.edu

The century-old W. N. Suksdorf house in Bingen Washington may be in peril.

Wilhelm Nikolaus Suksdorf (1850-1932) was a botanical giant who lived a quiet and secluded bachelor life in Bingen Washington, a town on the Columbia River in Klickitat County, which was founded by his family.

During Suksdorf's lifetime, the people of Bingen were mostly unaware that Suksdorf was the most prodigious early pioneer collector of plants in the Northwest. On his death, 30,000 of his meticulously prepared specimens went to Washington State University where they formed the backbone of the college's botanical collections. His total specimens numbered over 150,000. At least 70 species plus the genus *Suksdorfia* were named for him. Many believe that W. N. Suksdorf was Bingen's most important citizen. Now we hear that his historic home in Bingen might be torn down.

In 1910, Suksdorf's brother Phillip built a small, two-story, 3-room wooden house for the botanist in Bingen. Suksdorf kept his huge herbarium in the upstairs room. Below he lived his bachelor life, even baking his own bread. Many botanists, including myself, and members of the Washington and Oregon Native Plant Societies, make frequent visits to view the old house.

After Suksdorf's death, the house came into private hands. Today, nearly 100 years old, the house has an aged foundation and the present owner may find it necessary to remove the structure. I and others feel that, with the help of botanists, history buffs, and flower lovers throughout the Northwest and elsewhere, the house might be saved. If it must be removed, we hope the City of Bingen may acquire and move it to public property where it can be maintained as a museum and a lasting memorial to one of the greatest botanists the Northwest has known. We hope soon to contact the Bingen City Council and the West Klickitat County Historical Museum with the hope that they will support a plan to save this important structure if and when it becomes necessary. Please watch these pages for additional information.

Highlights of the October 14 Quarterly NPSO State Board Meeting

by Harold Zald, NPSO Secretary

The Siskiyou Chapter hosted the October Board meeting outside Selma at the Deer Creek Ranch, recently acquired by the Siskiyou Field Institute. The meeting focused on numerous issues—ways to increase membership, the Oregon Flora Project (OFP), the pressing need for a new State Treasurer and at-large board positions, status of the reconstituted rare and endangered species committee, and future potential NPSO collaborations with the Middle Rogue Watershed Council (MRWC) and the Institute for Applied Ecology. The Board is calling on all members to consider an increased role in NPSO.

The Board recommended a membership committee be formed to address new member recruitment and member retention. Board members discussed the current status and funding directions of OFP. We have a pressing need for a new State Treasurer, since Candice Guth will be stepping down from this position. (Please see below for additional information on the Treasure Position.) The Board will also have three at-large positions whose positions will be up in June 2007. Anyone interested in these positions should contact board members or your chapter

president to learn more. Members are encouraged to attend quarterly Board meetings. The next quarterly Board meeting will be January 20 in Eugene.

The newly reconstituted rare and endangered (R&E) plants committee has been busy, with numerous ideas including creation of an illustrated list of state and federal level R&E species, development of an R&E plant brochure, and numerous ideas regarding lobbying R&E species listings and administrative rules.

Both the Middle Rogue Watershed Council and the Applied Ecology Institute presented interesting projects they are working on with potential for NPSO collaboration, additional discussion with these organizations is likely to occur at the January quarterly Board meeting. As of October 2006, chapter membership in NPSO has reversed a recent trend of decline, posting a slight gain over October 2005 membership numbers.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

For a copy of the program policy and guidelines contact

Dan Luoma
Field Research Grants Committee Chair
3740 NW Harrison Ave.
Corvallis, OR 97330
541-752-8860

or visit NPSO's web site, www.npsoregon.org/comm/FRGC.htm. Research proposals are due by March 1, 2007.

2007 Willamette Valley Nature Calendar Now Available



David Wagner's 2007 Willamette Valley Nature Calendar features twelve original illustrations in pen and ink. The calendar functions as a natural events almanac throughout the year, focusing on western Oregon. Gardening hints are included. The calendars can be ordered directly from Dave Wagner (541-344-3327). Send check for \$15, made out to Northwest Botanical Institute to:

Dave Wagner
P.O. Box 30064
Eugene, OR 97403-1064

NPSO Seeks Candidate for Treasurer

The election cycle for NPSO officers and directors is upon us. Our current Treasurer, Candice Guth, is retiring from office. Candice has served in this position for 5 years and NPSO needs a candidate as soon as possible so that she can train the new person during a transition period. Knowledge of Excel, Quicken, or similar software is desirable. If you can help our Society in this way, please contact Dan Luoma, NPSO Nominations Committee Chair, at 541-752-8860 for further information.

Critical Habitat Designated for Three Willamette Valley Species

continued from page 115

at \$1.3 to \$11.3 million over the next 20 years. Approximately 35 percent of the total future cost is estimated to be potential loss of land values borne by existing landowners and another 30 percent is expected to be potential costs of land management. Potential costs of modifications to transportation operations, primarily the planned West Eugene Parkway and a street in Dallas, Oregon, could represent another 30 percent of the total.

Although no area was excluded from the designation for economic reasons, approximately 12 acres were excluded because private landowners were providing voluntary protection for Kincaid's lupine. The proposed critical habitat excluded from the final designation for Kincaid's lupine in Douglas County, Oregon, and Lewis County, Washington, included lands owned by Lone Rock Timber Management Company, Roseburg Forest Products, Seneca Jones Timber Company, and Mallonee Farms. These landowners are working cooperatively with state and federal agencies to implement conservation and recovery activities for Kincaid's lupine on their properties and have developed site-specific plans that include management for the plant. The success of their voluntary management is demonstrated by the continued survival of several flourishing patches of Kincaid's lupine. In cooperation with the agencies, the landowners will monitor these plant patches to ensure their management activities continue to benefit the species.

Additionally, 90.3 acres of federal land were excluded from the final designation based on protection commitments for Kincaid's lupine by the Bureau of Land Management and USDA Forest Service. These agencies completed a Conservation Agreement with the Fish and Wildlife Service identifying objectives to protect, conserve and restore habitat for each of the Kincaid's lupine populations occurring on their lands. The goal of this agreement is to implement the recovery

actions necessary to meet the specific recovery criteria for Kincaid's lupine in the Douglas County.

The Fender's blue butterfly (*Icaricia icarioides fenderi*), Kincaid's lupine (*Lupinus sulphureus kincaidii*) and Willamette (*Erigeron decumbens decumbens*) daisy inhabit wet and upland prairies and oak/savanna habitats, mostly in Oregon's populous Willamette Valley. These habitats are considered to be among the rarest in western Oregon. They are threatened by fragmentation, agriculture and urban growth.

Fender's blue butterfly, which was listed as endangered in January 2000, is a small butterfly with a wingspan of approximately 2.5 cm. Fender's blue butterfly is endangered because native prairie habitat has been converted to agriculture, subjected to fire suppression, invaded by non-native plants or developed.

Kincaid's lupine, federally listed as threatened in 2000, is a perennial species in the pea or legume family and is one of the host plants to the Fender's

blue butterfly. The lupine's aromatic flowers have a distinctly ruffled banner and are yellowish-cream colored, often showing shades of blue on the keel.

The Willamette daisy, listed as endangered in 2000, is a perennial herb in the composite family. The flowers are daisy-like, with yellow centers and 25-50 pinkish to blue rays, often fading to white with age.

The Fish and Wildlife Service prepared this designation in response to a lawsuit filed in April 2003 by several organizations [including NPSO] for failure to designate critical habitat for the three species. A settlement agreement required the agency to submit the critical habitat proposal to the Federal Register by October 2005, and submit the final designation by October 2006.

A copy of the final rule and other information on these species are available on the Internet at: www.fws.gov/oregonfwo/Species/ESA-Actions/Will-ValleyPage.asp, or by contacting Field Supervisor Kemper McMaster at 503-231-6179.

Please Nominate Outstanding NPSO Members For Our Prestigious Fellows Award

by Rhoda Love, NPSO Fellows Committee

It has been 4 years since an NPSO member has received NPSO's important Fellows Award. We very much hope to be able to present this award to one or more outstanding NPSO members at next spring's Annual Meeting in the beautiful Columbia Gorge. The Fellows Committee is now ready now to accept nominations.

Friends receive a lifetime NPSO membership, a ceremony and plaque at the Annual Meeting, and a biographical article with photo in *Kalmiopsis*. We all know many outstanding and hard-working members of our society who deserve this honor.

Nominations can come from a chapter, an individual, or a group. A chapter may wish to nominate their founder or other active member. You may wish to nominate an outstanding teacher of botany. Many long-time NPSO board members also deserve this honor.

Your nominating letter can be sent to me by e-mail. It should contain biographical and background information about the nominee. Please also provide a photo of the prospective Fellow or Fellows. Your nomination will move from the nominating committee to the State Board, for approval. When approved, plans will be made to print a plaque and plan a ceremony at the next Annual Meeting where the award will be presented. The new Fellow(s) will be featured in an article in the next *Kalmiopsis*.

Please send letters of nomination by the end of 2006 to: Rhoda Love at rglove@uoregon.edu. You are welcome to call me at 541-345-6141 for more information. Let's have one or more NPSO Fellows awards in the Columbia Gorge in the spring of 2007! I await your letters.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Is this a change of address? If so, please write your old address here:

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Please make checks for dues and contributions payable to:
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Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair
 3927 Shasta View St.
 Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- ☐ New ☐ Renewal
☐ Student—\$12 ☐ Regular—\$18 ☐ Family—\$24
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CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____
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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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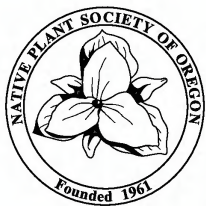
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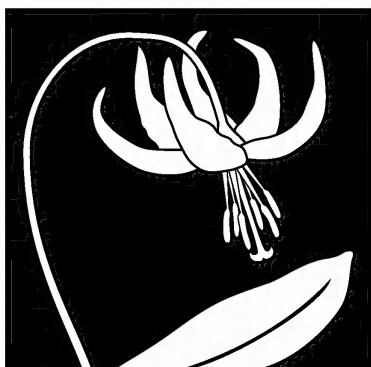
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Friends of the Oregon Flora Project Challenge Drive!!



www.oregonflora.org

Our annual fundraising campaigns are critical for financing work on the Oregon Flora Project, and this year is no exception. Until we can identify and receive support from a grantor that will fund exclusively the writing of a new *Flora of Oregon*, the unrestricted donations we receive from individuals are the surest way to ensure the timely completion of a flora. This year's challenge drive is an opportunity to double the amount of your support for the important work of the OFP.

Here's how it works: Several generous donors have offered to match up to \$25,000 in donations made to the OFP between October and January 31, 2007. That means your check for \$10, or \$1,000—any amount!—will be matched, dollar for dollar, with a contribution by our challengers. This opportunity to raise \$50,000 for the Oregon Flora Project will keep our staff and students working to achieve our mission of providing comprehensive information on the vascular plants of Oregon to both professionals and generalists.

Please contribute generously! Checks can be made out to NPSO, with "OFP challenge" on the memo line, and mailed to: Friends of the Oregon Flora Project, P.O. Box 402, Corvallis, OR 97339-0402.